STORM WATER POLLUTION PREVENTION PLAN

(SWPPP)

FOR

NEW CAMPUS CENTER BUILDING

UNIVERSITY OF LA VERNE

LA VERNE, IN LOS ANGELES COUNTY

Owner:
University of La Verne
1950 Third Street
La Verne, CA 91750
(909) 593-3511 ext. 4543
David Koch

Contractor:
KAR Construction, Inc.
1306 Brooks Street
Ontario, CA 91762
(909) 988-5054
Tom Garrison

Project Site Location/Address:
2nd Street and C Street
La Verne, CA

Contractor's Water Pollution Control Manager:
Tom Garrison
(909) 988-5054

Waste Discharge Identification:
_____(PENDING)

SWPPP Prepared by:
Everest Environmental Consulting
6297 East Avenue
Rancho Cucamonga, Ca 91739
(909) 957-4239
Ryan C. Paris, Environmental Consultant

SWPPP Presentation:
August 20, 2007

1ST CHECK - SWPPP
SEE TACKED PAGES
FOR CORRECTIONS.
A SUSMP IS REQUIRED
FOR THIS PROJECT.
SEE ATTACHED
CHECKLIST.
9/21/07
S.R.L./B.D.

CONTENTS

SWPPP ATTACHMENTS

SECTION 100
SWPPP CERTIFICATIONS AND APPROVAL

100.1 INITIAL SWPPP CERTIFICATION

Preparer
Approval and Certification of the
Storm Water Pollution Prevention Plan

Project Name: New Campus Center Building

City/County: University of La Verne, in Los Angeles County

Preparer's Certification: "I certify that this document and all attachments thereto were prepared under my direction or supervision. I further certify that the information contained herein is true and accurate to the best of my knowledge."

Preparer's Signature

08.20.2007
Date

RYAN PARIS, ES.
Preparer's Name and Title

909.957.4239
Preparer's Telephone Number

OWNER/DEVELOPER APPROVAL AND CERTIFICATION OF SWPPP

Owner/Developer
Approval and Certification of the
Storm Water Pollution Prevention Plan

Project Name: New Campus Center Building

City/County: University of La Verne, in Los Angeles County

"I certify under penalty of law that this document all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner/Developer Signature

9/4/07
Date

KAR CONSTRUCTION INC.
Owner/Developer Name

(909) 988-5054
RE's Telephone Number

*CITY ENGINEER APPROVAL AND CERTIFICATION OF SWPPP**

**If required by permitting agency.*

City Engineer
Approval and Certification of the
Storm Water Pollution Prevention Plan

Project Name: New Campus Center Building

City/County: University of La Verne, in Los Angeles County

"I certify under penalty of law that this document all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

RE's Signature _____ Date _____

RE's Name _____ RE's Telephone Number _____

100.3 ANNUAL COMPLIANCE CERTIFICATION

By July 1 of each year, the Contractor shall submit an Annual Certification of Compliance to the appropriate Regional Water Quality Control Board (RWQCB), stating compliance with the terms and conditions of the Permits and the SWPPP. The Annual Certification of Compliance Form is included in Attachment M. Completed Annual Certifications of Compliance and Approvals can be found in the following pages.

SECTION 200
SWPPP AMENDMENTS

200.1 SWPPP AMENDMENT CERTIFICATION AND APPROVAL

The SWPPP shall be amended:

- Whenever there is a change in construction or operations which may affect the discharge of pollutants to surface waters, ground water(s), or a municipal separate storm sewer system (MS4); or
- If any condition of the Permits is violated or the general objective of reducing or eliminating pollutants in storm water discharges has not been achieved. If the RWQCB determines that a Permit violation has occurred, the SWPPP shall be amended and implemented within 14-calendar days after notification by the RWQCB.
- Annually, prior to the defined rainy season, and
- When deemed necessary by the Owner/Developer/Contractor.

The following items shall be included in each amendment:

- Discuss who requested the amendment.
- The location of proposed change.
- The reason for change.
- The original BMP proposed, if any.
- The new BMP proposed.

The amendments for this SWPPP, along with the Owner/Developer/Contractor's Certification and the Owner/Developer/Contractor approval, can be found on the following pages. Amendments are listed in the Amendment Log in Section 200.2

SWPPP AMENDMENT No. _____

Project Name: New Campus Center Building

City/County: University of La Verne, in Los Angeles County

Contractor's Certification of the

Storm Water Pollution Prevention Plan Amendment

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

_____ _____

Contractor's Signature | Date

_____ _____

Contractor's Name and Title | Telephone Number

Owner/Developer Approval of the

Storm Water Pollution Prevention Plan Amendment

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

_____ _____

Owner/Developer Signature | Date

_____ _____

Owner/Developer Name and Title | Telephone Number

200.2 AMENDMENT LOG

Project Name: New Campus Center Building

City/County: University of La Verne, in Los Angeles County

Amendment No.	Date	Brief Description of Amendment	Prepared By

SECTION 300
INTRODUCTION AND PROJECT DESCRIPTION

300.1 INTRODUCTION AND PROJECT DESCRIPTION

Project Location: The proposed construction of the New Campus Center building is scheduled to occur with-in the University of La Verne Campus at 2nd Street and C Street. The project site currently contains existing structures and parking area which will be removed prior to this new construction phase. The site is surrounded by 2nd Street to the north, a planter area and tennis courts to the east, a baseball diamond and existing parking area to the south, and a maintenance/fire lane to the west.

Attachment A contains a vicinity map and photograph of the construction site depicting the topography and geographic features including property boundaries of the construction site, surface water bodies, anticipated discharge location(s) and flow direction of site runoff.

Project Features: The proposed development of the New Campus Center Building will ultimately construct a Campus Center Student/Faculty Facility. Site features will incorporate approximately 17,000 square foot building footprint, two parking areas encompassing 16,200 square feet, and a 3000 cubic foot retention/infiltration basin. Additional site improvements; demolition of existing structures and parking areas, clearing and grubbing, grading, asphalt paving, drainage structures, landscaping and irrigation systems, concrete features, and vertical construction of structures including all interior and exterior finishes.

300.2 UNIQUE SITE FEATURES

Unique Project Features: The project includes no site features with regards to Environmentally Sensitive Areas, or adjacent water bodies. The site currently drains via land and a storm drain systems to Live Oak Canyon Wash, a concrete drainage way. This plan will outline a system of BMPs that will reduce and or eliminate the possibility of storm water discharges that will compromise water quality.

300.3 CONSTRUCTION SITE ESTIMATES

The following are estimates of the construction site:

Construction site area:	1.5 acres
Percentage impervious area before construction:	85%
Runoff coefficient before construction (1):	0.86
Percentage impervious area after construction:	80%
Runoff coefficient after construction (1):	0.83
Anticipated storm water flow on to the construction site (2):	See Attachment E

(1) Calculations are shown in Attachment D

(2) Calculations are shown in Attachment E

300.4 PROJECT SCHEDULE/WATER POLLUTION CONTROL SCHEDULE

Estimate Construction Start:	November 1, 2007
Estimate Construction Finish:	November 1, 2009
Complete Grading:	May 1, 2008
Rainy Season Begins:	October 15, 2007
Rainy Season Ends:	April 15, 2008
Rainy Season Begins:	October 15, 2008
Rainy Season Ends:	April 15, 2009
Annual Certifications Due:	July 1, 2008

The projects construction activity schedule is located in Attachment V.

300.5 CONTACT INFORMATION/LIST OF RESPONSIBLE PARTIES

The Storm Water Pollution Prevention Manager (SWPPM) assigned to this project is:

Tom Garrison
Office (909) 988-5054
KAR Construction, Inc.
1306 Brooks Street
Ontario, CA 91762

The SWPPM shall have primary responsibility and significant authority for implementation, maintenance, inspection and amendments to the approved SWPPP. The SWPPM will be available at all times throughout duration of the project. Duties of the Contractor's SWPPM include but are not limited to:

- Ensuring full compliance with the SWPPP and the Permit
- Implementing all elements of the SWPPP, including but not limited to
    - Implementation of prompt and effective erosion and sediment control measures
    - Implementing all non-storm water management, and materials and waste management activities such as monitoring discharges (dewatering, diversion devices); general site clean-up; vehicle and equipment cleaning, fueling and maintenance; spill control; ensuring that no materials other than storm water are discharged in quantities which will have an adverse effect on receiving waters or storm drain systems; etc.
- Pre-storm inspections
- Post-storm inspections
- Storm event inspections
- Routine inspections as specified in the Special Provisions or described in the SWPPP
- Updates / Amendments to the SWPPP, as needed
- Preparing annual compliance certification
- Ensuring elimination of all unauthorized discharges
- The Contractor's SWPPM shall be assigned authority by the Owner/Developer/Contractor to mobilize crews in order to make immediate repairs to the control measures
- Coordinate with the Owner/Developer/Contractor to assure all of the necessary corrections/repairs are made immediately, and that the project complies with the SWPPP, the Permit and approved plans at all times.
- Submitting Notices of Discharge and reports of Illicit Connections or Illegal Discharges.

SECTION 400
REFERENCES

The following documents are made a part of this SWPPP by reference:

- Project Erosion Control Plan
  Dated: July 16, 2007
  Prepared by: Andreasen Engineering, Inc.
- State Water Resources Control Board (SWRCB) Order No. 99-08-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002 ("General Permit"), Waste Discharge Requirements (WDRs) for Discharges of Storm Water Runoff Associated with Construction Activity, August 1999.
- State Water Resources Control Board (SWRCB) Resolution No. 2001-046, Modification of Water Quality Order 99-08-DWQ State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity (General Permit), adopted by the SWRCB on April 26, 2001.
- State Water Resources Control Board (SWRCB) Modification of Water Quality Order 99-08-DWQ State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity (General Permit) to Include Small Construction Activity (One to Five Acres), adopted by the SWRCB on December 2, 2002.
- California Stormwater BMP Handbook – Construction, January 2003

SECTION 500
BODY OF SWPPP

500.1 OBJECTIVE

This Storm Water Pollution Prevention Plan (SWPPP) has four main objectives:

- *Identify all pollutant sources including sources of sediment that may affect the quality of storm water discharges associated with construction activity (storm water discharges) from the construction site, and*
- *Identify non-storm water discharges and*
- *Identify, construct, implement in accordance with a time schedule, and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants in storm water discharges and authorized non-storm water discharges from the construction site during construction, and*
- *Develop a maintenance schedule for BMPs installed during construction designed to reduce or eliminate pollutants after construction is completed (post-construction BMPs).*
- *Identify a sampling and analysis strategy and sampling schedule for discharges from construction activity which discharges directly into water bodies listed in Attachment 3 of the Permit (Clean Water Act Section 303(d) Water Bodies Listed as Impaired for Sedimentation.*
- *For all construction activity, identify a sampling and analysis strategy and sampling schedule for discharges that have been discovered through visual monitoring to be potentially contaminated by pollutants not visually detectable in the runoff.*

This SWPPP conforms with the required elements of the General Permit CAS000002 issued by the State of California, State Water Resources Control Board (SWRCB). This SWPPP will be modified and amended to reflect any amendments to the Permits, or any changes in construction or operations that may affect the discharge of pollutants from the construction site to surface waters, groundwaters, or the municipal separate storm sewer system (MS4). The SWPPP will also be amended if it is in violation of any condition of the Permit or has not achieved the general objective of reducing pollutants in storm water discharges. The SWPPP will be readily available on-site for the duration of the project.

500.2 VICINITY MAP AND PHOTOGRAPHIC DEPICTION

The construction project vicinity map showing the project location, surface water boundaries, geographic features, construction site perimeter, and general topography, is located in attachment A. The project's Title Sheet provides more detail regarding the project location and is also included in Attachment A.

500.3 POLLUTANT SOURCE IDENTIFICATION AND BMP SELECTION

500.3.1 Inventory of Materials and Activities that may Pollute Storm Water

The following is a list of construction materials that will be used and activities that will be preformed that may have the potential to contribute pollutants other than sediment, to storm water runoff (control practices for each activity identified in the Water Pollution Control Drawings (WPCDs) and/or in Sections 500.3.4 through 500.3.9.

- Vehicle fluids, including oil, grease, petroleum, and coolants
- Asphaltic emulsions associated with asphalt-concrete paving operations
- Cement materials associated with concrete operations
- Base and sub-base material
- Mortar mix
- Raw landscaping materials
- Paints
- Solvents and thinners
- Wood products
- Metals and plated products
- Fertilizers, herbicides, and pesticides
- Treated Lumber
- General litter
- Deteriorated BMP materials

Construction activities that have the potential to contribute sediment to storm water discharges include:

- Demolition operations
- Clear and grub operations
- Excavating operations
- Grading operations
- Landscaping operations

Attachment C lists all Best Management Practices (BMPs) that are either minimum requirements or special contract requirements, and all BMPs selected for this project. Implementation and location of BMPs are shown on the WPCDs in Attachment B. Narrative descriptions of BMPs to be used during the project are listed by category in each of the following SWPPP sections. Attachment Q includes a copy or a list of all the BMPs selected for this project.

500.3.2 Existing (pre-construction) Control Measures

The following are existing (pre-construction) control measures encountered within the project site:

- Concrete Drainage systems
- Landscaping and irrigations systems

500.3.3 Nature of fill material and existing data describing the soil

Fill Material

It is unknown if imported fill will be expected to complete this project.

Soil Characteristics

Topsoil encountered on the site consists of silty sand. The soil contains large amounts of gravel and cobbles.

Existing Pollutant Sources

No significant materials are known to have been spilled, leaked, or otherwise accidentally released in significant quantities onto the construction site. This determination is based on historical data and site review. No "significant materials and quantities" includes no toxic chemicals, listed in Code of Federal Regulations (40 CFR 372), requiring reporting on the EPA Form R; and no oil or hazardous substances in excess of reportable quantities, as specified in 40 CFR 110, 117, and 302 .

500.3.4 Erosion Control (Soil Stabilization)

Soil stabilization, also referred to as erosion control, consists of source control measures that are designed to prevent soil particles from detaching and becoming transported in storm water runoff. Soil stabilization BMPs protects the soil surface by covering and/or binding soil particles. This project will incorporate minimum temporary soil stabilization requirements, temporary soil stabilization measures required by the contract documents, and other measures selected by the Contractor. This project will implement the following practices for effective temporary and final soil stabilization during construction:

(1.) Preserve existing vegetation where required and when feasible.

(2.) Apply temporary soil stabilization (erosion control) to remaining active and non-active areas as required by the Construction Site BMPs Manual and the Special Provisions. Reapply as necessary to maintain effectiveness.

(3.) Implement temporary soil stabilization measures at regular intervals throughout the defined rainy season to achieve and maintain the contract's disturbed soil area requirements. When the project's Special Provisions require it, temporary soil stabilization will be implemented 20 days prior to the defined rainy season.

(4.) Stabilize non-active areas within 14 days of cessation of construction activities.

(5.) Control erosion in concentrated flow paths by applying erosion control blankets, check dams, erosion control seeding, and lining swales as required in the special provisions.

(6.) Apply seed to areas deemed substantially complete by the RE during the defined rainy season.

(7.) At completion of construction, apply permanent erosion control to all remaining disturbed soil areas as required in the special provisions.

Sufficient soil stabilization materials will be maintained on-site to allow implementation in conformance with requirements as described in this SWPPP. This includes implementation requirements for active and non-active areas that require deployment before the onset of rain.

Implementation and locations of temporary soil stabilization BMPs are shown on the Water Pollution Control Drawings (WPCDs) in Attachment B and/or described in this section. The BMP Consideration Checklist in Attachment C indicates the BMPs that will be implemented to control erosion on the construction site; these are:

- **EC-1, Scheduling**

  Contractor shall reduce the discharge of pollutants to storm drain facilities or water courses caused by construction activities by scheduling said activities in a manner that will limit exposure of disturbed soil to wind, rain, and storm water run-on and run-off.

- **EC-7, Geotextiles & Mats**

  Contractor shall implement one or more of these measures to stabilize disturbed soil areas (stockpiles, slopes, embankments, conveyances, etc.) and protect these soils from erosion by rain, wind or storm water run-on and run-off.

Implementation of Soil Stabilization BMPs

BMPs will be deployed in a sequence to follow the progress of grading and construction. As the locations of soil disturbance change, erosion and sedimentation controls will be adjusted accordingly to control storm water runoff at the downgrade perimeter and drain inlets. BMPs will be mobilized as follows:

Year-round:

- The storm water pollution control manager will monitor weather using National Weather Service reports to track conditions and alert crews to the onset of rainfall events.
- Disturbed areas will be stabilized with temporary soil stabilization or with permanent erosion control as soon as possible after grading or construction is complete.

During the rainy season:

- Disturbed areas will be stabilized with temporary or permanent soil stabilization (erosion control) before rain events.
- Disturbed areas that are substantially complete will be stabilized with permanent soil stabilization (erosion control) and vegetation (if within seeding window for seed establishment).
- Prior to forecast storm events, temporary soil stabilization BMPs will be deployed and inspected.

During the non-rainy season:

- The project schedule will sequence construction activities with the installation of both soil stabilization and sediment control measures. The construction schedule will be arranged as much as practicable to leave existing vegetation undisturbed until immediately prior to grading.

500.3.5 Sediment Control

Sediment controls are structural measures that are intended to complement and enhance the selected erosion control measures and reduce sediment discharges from active construction areas. Sediment controls are designed to intercept and settle out soil particles that have been detached and transported by the force of water. This project will incorporate temporary sediment control required by the contract documents, and other measures selected by the Owner/Developer/Contractor.

Temporary sediment control materials will be maintained on-site throughout the duration of the project, to allow implementation of temporary sediment controls in the event of predicted rain, and for rapid response to failures or emergencies, in conformance with other Permit requirements and as described in this SWPPP. This includes implementation requirements for active areas and non-active areas before the onset of rain.

Implementation and locations of temporary sediment control BMPs are shown on the Water Pollution Control Drawings (WPCDs) in Attachment B. The BMP Consideration Checklist in Attachment C indicates all the BMPs that will be implemented to control sediment on the construction site; these are:

- **SE-1, Silt FenceSE-6, Gravel Bag Berm**

  Linear barriers for sediment control protection will be applied throughout the construction zone but primarily located along the construction perimeter. The installation of linear barriers will serve as sediment control for exposed soil areas. Linear barriers shall be maintained to provide adequate sediment holding capacity. Sediment shall be removed when it reaches approximately 1/3 of the barrier height. The Contractor may use a combination of the above BMPs.

- **SE-7, Sediment Sweeping and Vacuuming**

  The Contractor will implement sediment sweeping and vacuuming, as necessary, to control sediment that is tracked from the project site onto public or private roads. This will limit the amount of sediment that may be transported to storm drains or watercourses.

- **SE-8, Sand Bag Barrier**

  This BMP will be utilized at various locations to trap and impede the flow of storm water. This will primarily occur around materials and soil stockpile areas in conjunction with BMPs WM-1 – Material Delivery and Storage, and WM-3 – Stockpile Management.

- **SE-10, Storm Drain Inlet Protection**

  New and existing inlets shown on the WPCDs will be protected, as necessary, from sediment using a gravel bag barrier. The area behind the gravel bags will collect and hold runoff in order to allow suspended sediment to settle out. The Contractor will remove this sediment periodically during the rainy season, and especially after heavy rains. Gravel bags, which become clogged with sediment, will be replaced as necessary to ensure the free flow of water.

  During the non-winter season, existing inlets will need to be protected from any grinding, sandblasting, and demolition operations. Any air-borne debris from these operations can settle into any surrounding inlets. Therefore, these inlets need to be protected with sandbags or with a plastic medium.

Implementation of Temporary Sediment Controls:

- During the rainy season, temporary sediment controls will be implemented at the draining perimeter of disturbed soil areas, at the toe of slopes, at storm drain inlets and at outfall areas at all times.
- During the non-rainy season, temporary sediment controls will be implemented at the draining perimeter of disturbed soil areas and at storm drain downstream from disturbed areas before rain events.

500.3.6 Tracking Control

The following BMPs have been selected to reduce sediment tracking from the construction site onto private or public roads:

- **TR-1, Stabilized Construction Entrance/Exit**

  Stabilized construction entrances/exits will be located at project limits with 2nd Street and at the parking area at the southern end of the project site with access to 1st Street as shown on the WPCDs.

  The site entrance/exit will be stabilized to reduce tracking of sediment as a result of construction traffic. The entrance will be designated and graded to prevent runoff from leaving the site. The entrance will be flared where it meets the existing road to provide an adequate turning radius. As Construction progresses and additional entrance/exit points are implemented by the Contractor, these points will be shown on the appropriate WPCPs.

  Sediment tracking control BMPs shall be considered for all points of ingress and egress to the project site where vehicles and/or equipment may track sediment onto public or private roads. The objective of the sediment tracking control is to prevent tracking of sediment onto public or private roads.

- **SE-7 Sediment Sweeping and Vacuuming**

  Sediment sweeping and vacuuming will be provided year-round for all points of ingress and egress to the project site where vehicles and/or equipment may track sediment onto public and/or private roads. The objective of the sediment tracking control is to limit the amount of sediment from public or private roads that may be transported to storm drains or watercourses.

500.3.7 Wind Erosion Control

The following BMP has been selected to control dust from the construction site:

- **WE-1, Wind Erosion Control**

  This BMP, along with Water Conservation Practices, will be implemented to provide dust control and prevent discharges from dust control activities and water supply equipment. Water application rates will be minimized as necessary to prevent runoff and ponding. Water equipment leaks will be repaired immediately. BMP EC-5, Soil Binders may be used as wind erosion control if heavy sustained winds become evident.

Dust Control

During windy conditions (forecast or actual wind conditions of approximately 25 mph or greater), dust control will be applied to DSAs, including haul roads to adequately control wind erosion.

500.3.8 Non Storm Water Control

An inventory of construction activities and potential non-storm water discharges is provided in Section 5.3.1. The BMP Consideration Checklist in Attachment C and the following list indicates the BMPs that have been selected to control non-storm water pollution on the construction site. Implementation and locations of some non-storm water control BMPs are shown on the Water Pollution Control Drawings (WPCDs)in Attachment B. A narrative description of each BMP follows.

- **NS-1, Water Conservation Practices**

  The Contractor shall use water in a manner which will not cause erosion or transport pollutants off-site.

- **NS-3, Paving and Grinding Operations**

  The Contractor will implement the BMP listed above during paving operations including AC removal, sawcutting and resurfacing operations.

  Paving locations and adjacent storm drain inlets are shown on the WPCDs. BMP NS-3, Paving and Grinding Operations, will be implemented to prevent paving materials from being discharged off-site. Covers will be placed over each inlet adjacent to paving operations. The covers may consist of scrap carpeting placed over, and tucked under, each inlet grate. Following paving operations, the area will be swept, inlet covers will be removed, and the inlets will be inspected for paving materials.

  This project may require saw-cutting operations, periodically throughout the project. BMP WM-08, Concrete Waste Management, will be implemented to contain and dispose of saw-cutting slurries. Sand bags will be used to contain the slurry and prevent discharges to the storm drain system. The slurry will be vacuumed and discharged to the concrete washout facility described above. Dried and cured concrete wastes will be disposed off-site during concrete washout maintenance activities.

- **NS-6, Illicit Connection/Discharge**

  The Contractor will implement BMP NS-6, Illicit Connection/Discharge throughout the duration of the project.

  Accidental discharges will be cleaned up immediately. Illicit discharges by the Contractor's operation will not be allowed. Illicit discharges by others will be reported to the appropriate authorities (i.e. City Hall or the local police).

- **NS-7 – Potable Water/Irrigation**

  Contractor shall implement this BMP whenever there is a possibility for discharge of potential pollutants from potable water or irrigation systems at or entering the site. These systems that generate such discharges include irrigation lines, lawn and garden watering, planned or unplanned discharges from potable water sources, water line flushing, and hydrant flushing.

- **NS-8, Vehicle and Equipment Cleaning**

  Vehicle and equipment cleaning operations are not planed on this project. However if they become necessary the Contractor will implement the BMP listed above for said operations. Further, drip pans or plastic sheeting will be used for all vehicle and equipment cleaning/maintenance activities that involve grease, oil, solvents, or other vehicle fluids.

- **NS-9, Vehicle and Equipment Fueling; NS-10, Vehicle and Equipment Maintenance**

  Several types of vehicles and equipment will be used on-site throughout the project, including graders, excavators, loaders, trucks and trailers, backhoes, forklifts, generators, compressors, and traffic control equipment. BMPs NS-9, Vehicle and Equipment Fueling, and NS-10, Vehicle and Equipment Maintenance will be utilized to prevent discharges of fuel and other vehicle fluids. Except for concrete washout, which is addressed in Section 500.3.8, vehicle cleaning is not scheduled to be performed on-site.

  Fuel trucks, each equipped with absorbent spill clean-up materials, will be used for all on-site fueling, whether at the temporary fueling area or for mobile fueling elsewhere on the site. All vehicle maintenance and mobile fueling operations will be conducted at least 15 m away from operational inlets and drainage facilities and on a level graded area. Drip pans will be used for all mobile fueling.

  Vehicle and equipment will be stored and serviced on-site. The Contractor will place drip pans, plastic sheeting, or absorbent material under vehicles and equipment while parked overnight, in storage and when requiring maintenance activities that involve grease, oil, solvents, or other vehicle fluids.

500.3.9 Waste Management and Materials Pollution Controls

An inventory of construction activities, materials, and wastes is provided in Section 5.3.1. The BMP Consideration Checklist in Attachment C and the following list indicates the BMPs that have been selected to handle materials and control construction site wastes. A narrative description of each BMP follows:

- **WM-1, Material Delivery and Storage; WM-2, Material Use**

  Material loading, unloading, and storage areas are located adjacent to the baseball diamond at the paved parking area on the eastern portion of the project as shown on the WPCDs. The Contractor will utilize stabilized areas, as necessary, to prevent potential spills or unnecessary tracking of sediment. The Contractor will utilize this BMP for construction material loading, unloading, and storage areas. Refer to the WPCDs for their respective locations.

  Very large items, such as light standards, framing materials, and stockpiled lumber, will be stored in the open in the general storage area. Such materials will be elevated with wood blocks to minimize contact with run-on.

  Aggregate and base materials will also be stockpiled in the general storage area and will be surrounded with additional sediment controls (i.e., SE-8, Sand Bag Barrier). Plastic covers (EC-7, Geotextiles, Plastic Covers, & Erosion Control Blankets/Mats) will be provided if necessary for wind/dust control.

- **WM-3, Stockpile Management**

  On-site soil, borrow and/or waste material storage stockpile areas are located adjacent to the baseball diamond at the paved parking area on the eastern portion of the project as shown on the WPCDs. Bulk materials must be coverede with a plastic medium and surrounded by sand bags prior to a forecast rain event. See BMPs EC-7 and SE-8.

- **WM-4, Spill Prevention and Control**

  The Contractor shall implement this BMP when any chemical and/or hazardous substance is used or stored on site to control, clean-up and prevent spills and discharges to storm drain systems. Spills of oil, petroleum products, substances listed under 40 CFR parts 11, 117, and 302, and sanitary and septic wastes shall be contained and cleaned up immediately. Spill prevention is also discussed above in Material Delivery, Storage, and below in the following waste management and equipment maintenance sections.

- **WM-5, Solid Waste Management; WM-6, Hazardous Waste Management**

  The Contractor shall implement this BMP whenever wastes are generated, stockpiled or removed from the site. Implementation of this BMP minimizes or eliminates the discharge of pollutants to the drainage system or watercourses.

  BMP WM-5, Solid Waste Management, and BMP WM-6, Hazardous Waste Management will be implemented to minimize storm water contact with waste materials and prevent waste discharges. When on-site storage is necessary, solid wastes will be stored in watertight dumpsters in the general storage area of the contractors yard. Dumpster locations will be located throughout the project site. Solid waste, including rubble stockpiles, will be removed and disposed off-site at least weekly.

  Hazardous wastes, if any, will be stored in the shipping containers or covered containment area discussed above for materials storage. Hazardous wastes will be appropriate and clearly marked containers and segregated from other non-waste materials.

  Solid waste and hazardous waste storage areas are located adjacent to the baseball diamond at the paved parking area on the eastern portion of the project as shown on the WPCDs.

- **WM-8, Concrete Waste Management**

  BMP WM-8, Concrete Waste Management, will be implemented in below grade concrete washout facilities constructed and maintained at concrete waste washout areas located adjacent to the baseball diamond at the paved parking area on the eastern portion of the project as shown on the WPCDs.All excess concrete and concrete washout slurries will be discharged to the washout facility for drying. . BMP maintenance, waste disposal, and BMP removal will be conducted as described in WM-08.

- **WM-9, Sanitary/Septic Waste Management**

  The Contractor shall minimize or eliminate the discharge of construction sanitary/septic wastes by implementing this BMP. This BMP is applicable to temporary and portable sanitary/septic systems on construction sites and associated areas. Portable toilets will be located and maintained at the Contractors yard for the duration of the project. Maintenance will be provided as necessary and wastes will be disposed off-site. The toilets will be located away from concentrated flow paths and traffic flow.

500.3.10 Cost Breakdown for Water Pollution Control

A spreadsheet for Water Pollution Control Cost's has been provided in Attachment O. The Contractor may choose to utilize this form as a means of internally tracking BMP cost at his/her discretion.

500.4 WATER POLLUTION CONTROL DRAWINGS (WPCDS)

The Water Pollution Control Drawings can be found in Attachment B.

500.5 CONSTRUCTION BMP MAINTENANCE, INSPECTION AND REPAIR

Inspections will be conducted as follows:

- Prior to a forecast storm
- After a rain event that causes runoff from the construction site
- At 24-Hour intervals during extended rain events
- Weekly during the rainy season
- Every 2 weeks during the non-rainy season
- At any other time(s) or intervals of time specified in the project Special Provisions

Copies of the completed checklists will be kept in the SWPPP.

A tracking or follow-up procedure shall follow any inspection that identifies deficiencies in BMPs. A program for Maintenance, Inspection, and Repair is shown in Attachment G.

500.6 POST CONSTRUCTION STORM WATER MANAGEMENT

500.6.1 Post Construction Control Practices

The following are the post-construction BMPs that are to be used at this construction site after all construction is complete:

- Several "Brooks Basin" infiltration trenches
- 3000 cubic foot retention/infiltration basin
- Landscaping and irrigation systems
- Storm drain system

500.6.2 Operation/Maintenance after Project Completion

The post-construction BMPs that are described above will be funded and maintained as follows:

- Funded by the University of La Verne
- Maintained by University of La Verne Maintenance Department

500.7 TRAINING

Section 300.5 shows the name of the Owner/Developer/Contractor's Storm Water Pollution Prevention Manager (SWPPM). This person has received the following training:

- Several years of experience in the building industry including Strom Water Management Issues
- Ongoing, informal, KAR Construction "tailgate talk" stormwater training

The training log showing formal and informal training of various Contractor personnel is shown in Attachment I.

Other Contractor personnel attending tailgate training will document attendance using the form in Attachment I. Informal training will include tailgate site briefings to be conducted monthly and will address the following topics:

- Erosion Control BMPS
- Sediment Control BMPs
- Waste Management and Materials Pollution Control BMPs
- Emergency Procedures specific to the construction site storm water management

This SWPPP was prepared by: *EVEREST ENVIRONMENTAL CONSULTING*
Ryan C. Paris, Environmental Consultant
8-Hour NPDES Training Course
8-Hour NPDES SWPPP Preparation Course
8-Hour NPDES Regulatory Course
4-Hour SAP Class (Caltrans Class Instructor)
24–Hour OSTS NPDES Training (Class Instructor)
10 week State Hydrology Course
10 week State Soils Course

- Mr. Paris has prepared over 160 site specific water pollution control documents.

500.8 LIST OF SUBCONTRACTORS

All Contractors and Subcontractors will be notified of the requirement for storm water management measures during the project. A list of Contractors will be maintained and included in the SWPPP. If Subcontractors change during the project, the list will be updated accordingly. The Subcontractor notification letter and log is included in the SWPPP as Attachment J.

500.9 Other Plans/Permits

Attachment N includes copies of other local, state, and federal plans and permits. Following is a list of the plans and permits included in Attachment N:

- State Water Resources Control Board (SWRCB) Order No. 99-08-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002 ("General Permit"), Waste Discharge Requirements (WDRs) for Discharges of Storm Water Runoff Associated with Construction Activity, August 1999.

SECTION 600

MONITORING PROGRAM AND REPORTS

600.1 SITE INSPECTION

The Owner/Developer/Contractor will inspect the site prior to a forecast storm, after a rain event that causes runoff from the construction site, at 24-hour intervals during extended rain events, weekly during the rainy season, every 2 weeks during the non-rainy season, and as specified in the project documents. The results of all inspections and assessments will be documented, a copy shall be provided to the Owner/Developer/Contractor within 24 hours of the inspection, and copies of the completed inspection checklists will be maintained with the SWPPP. Site inspections conducted for monitoring purposes will be performed using the inspection checklist shown in Attachment H.

The name(s) and contact number(s) of the assigned inspection personnel are listed below:

Assigned inspector: Tom Garrison
Contact phone: (909) 988-5054

600.2 DISCHARGE REPORTING

If a discharge occurs or if the project receives a written notice or order of non-compliance, the Contractor will immediately notify the Owner/Developer; will file a written report to the Owner/Developer within 7 days of the discharge event or notice; and will file a written report to the Regional Water Quality Control Board (RWQCB) within 30 days or identification of non-compliance. Corrective measures will be implemented immediately following the discharge, notice or order. A sample Notice of Non-Compliance (NONC) form is provided in Attachment K. All discharges shall be documented on a Discharge Reporting Log using the example form in Attachment T.

The report to the Owner/Developer and the RWQCB will contain the following items:

- The date, time, location, nature of operation, and type of unauthorized discharge, including the cause or nature of the notice or order
- The control measures (BMPs) deployed before the discharge event, or prior to receiving notice or order
- The date of deployment and type of control measures (BMPs) deployed after the discharge event, or after receiving the notice or order, including additional measures installed or planned to reduce or prevent re-occurrence, and
- An implementation and maintenance schedule for any affected BMPs

600.3 RECORD KEEPING AND REPORTING

Records shall be retained for a minimum of three years for the following items:

- Site inspections
- Compliance certifications
- Discharge reports
- Approved SWPPP document and amendments

600.4 SAMPLING AND ANALYSIS PLAN FOR SEDIMENT

This project does not have the potential to discharge directly into a water body listed as impaired for Sediment/Siltation and/or Turbidity pursuant the Clean Water Act, Section 303(d).

600.5 SAMPLING AND ANALYSIS PLAN FOR NON-VISIBLE POLLUTANTS

This Sampling and Analysis Plan (SAP) for Non-Visible Pollutants describes the sampling and analysis strategy and schedule for monitoring non-visible pollutants in storm water discharges from the project site and offsite activities directly related to the project in accordance with the requirements of Section B of the General Permit, including SWRCB Resolution 2001-046.

600.5.1 *Scope of Monitoring Activities*

The following construction materials, wastes or activities, as identified in Section 500.3.1, are potential sources of non-visible pollutants to storm water discharges from the project. Storage, use and operational locations are shown on the WPCDs in Attachment B.

- Vehicle fluids, including oil, grease, petroleum, and coolants
- Asphaltic emulsions associated with asphalt-concrete paving operations
- Cement materials associated with minor concrete operations
- Base and sub-base material
- Mortar mix
- Raw landscaping materials
- Paints
- Solvents and thinners
- Wood products
- Metals and plated products
- Fertilizers, herbicides, and pesticides
- Treated Lumber
- General litter
- Deteriorated BMP materials

The following existing site features, as identified in Section 500.3.3, are potential sources of non-visible pollutants to storm water discharges from the project. Locations of existing site features contaminated with non-visible pollutants are shown on the WPCDs in Attachment B.

- None Identified

The following soil amendments have the potential to change the chemical properties, engineering properties, and erosion resistance of the soil and will be used on the project site. Locations of soil amendment application are shown on the WPCDs in Attachment B.

- None Identified

The project has the potential to receive storm water run-on with the potential to contribute non-visible pollutants to storm water discharges from the project. Locations of such run-on to the project site are shown on the WPCDs in Attachment B.

- None Identified

Sampling for non-visible pollutants will be conducted when (1) a breach, leakage, malfunction, or spill is observed; and (2) the leak or spill has not been cleaned up prior to the rain event; and (3) there is the potential for discharge of non-visible pollutants to surface waters or drainage system.

600.5.2 Monitoring Strategy

Sampling Schedule

Samples for the applicable non-visible pollutant(s) and a sufficiently large uncontaminated background sample shall be collected during the first two hours of discharge from rain events that result in a sufficient discharge for sample collection. Samples shall be collected during daylight hours (sunrise to sunset) and shall be collected regardless of the time of year, status of the construction site, or day of the week.

In conformance with the U.S. Environmental Protection Agency definition, a minimum of 72 hours of dry weather will be used to distinguish between separate rain events.

Collection of discharge samples for non-visible pollutant monitoring will be triggered when any of the following conditions are observed during the required inspections conducted before or during rain events:

- Materials or wastes containing potential non-visible pollutants are not stored under watertight conditions. Watertight conditions are defined as (1) storage in a watertight container, (2) storage under a watertight roof or within a building, or (3) protected by temporary cover and containment that prevents storm water contact and runoff from the storage area.
- Materials or wastes containing potential non-visible pollutants are stored under watertight conditions, but (1) a breach, leakage, malfunction, or spill is observed, and (2) the leak or spill has not been cleaned up prior to the rain event, and (3) there is the potential for discharge of non-visible pollutants to surface waters or a storm sewer system.
- An operational activity, including but not limited to those in Section 600.5.1, with

the potential to contribute non-visible pollutants (1) was occurring during or 24 hours prior to the rain event, (2) applicable BMPs were observed to be breached, malfunctioning, or improperly implemented, and (3) there is the potential for discharge of non-visible pollutants to surface waters or a storm sewer system.

- Soil amendments with the potential to change the chemical properties, engineering properties, or erosion resistance of the soil have been applied, and there is the potential for discharge of pollutants to surface waters or a storm sewer system.
- Storm water runoff from an area contaminated by historical usage of the site has been observed to combine with storm water runoff from the site, and there is the potential for discharge of pollutants to surface waters or a storm sewer system.

Sampling Locations

Sampling locations are based on proximity to planned non-visible pollutant storage, occurrence or use; accessibility for sampling, personnel safety; and other factors in accordance with the applicable requirements in the Permit. Planned sampling locations are shown on the WPCDs in Attachment B and include the following:

- One sampling location on the project site and the contractor's yard will be identified for the collection of samples of runoff from planned material and waste storage areas and from areas where non-visible pollutant producing operations are planned.
- Locations will be identified for the collection of an uncontaminated sample of runoff as a background sample for comparison with the samples being analyzed for pollutants. This location was selected such that the sample will not come in contact with (1) operational or storage areas associated with the materials, wastes, and activities identified in Section 500.3.1; (2) potential non-visible pollutants due to historical use of the site as identified in Section 500.3.3; (3) areas in which soil amendments that have the potential to change the chemical properties, engineering properties, and erosion resistance of the soil have been applied; or (4) disturbed soils areas.

If an operational activity or a storm water inspection conducted 24 hours prior to or during a rain event identifies the presence of a material storage, waste storage, or operations area with spills or the potential for the discharge of non-visible pollutants to surface waters or a storm sewer system that was an unplanned location and has not been identified on the WPCDs, sampling locations will be selected using the same rationale as that used to identify planned locations.

600.5.3 Monitoring Preparation

If storm water sampling becomes necessary the SWPPM will contact an EPA certified laboratory 48 hours prior to a predicted rain event and if one of the triggering conditions is identified during an inspection before, during, or after a storm event to ensure that adequate sample collection personnel, supplies and field testing equipment for monitoring non-visible pollutants are available and will be mobilized to collect samples on the project site in accordance with the sample schedule.

600.5.4 Analytical Constituents

Identification of Non-Visible Pollutants

The following table lists the sources of and types of potential non-visible pollutants on the project and the applicable water quality indicator parameter(s) for that pollutant.

Table 600-2

Potential Non-Visible Pollutants and Water Quality Indicator Constituents

Pollutant Source	Pollutant	Water Quality Indicator Constituent
Vehicle batteries	Sulfate, pH, or Lead	Sulfuric acid, pH, or Lead
Masonry Products	Alkalinity, or pH	Alkalinity, or pH
Non-Pigmented Curing Compound	pH	pH
Acids, Solvents and Thinner	VOC, SVOC, or COD	VOC, SVOC or COD
Fertilizer (In-Organic)	Organic Nitrate, Nitrate, Phosphate, Organic Nitrogen, and Potassium	Organic Nitrate, Nitrate, Phosphate, Organic Nitrogen, and Potassium
Fertilizer (Organic)	TOC, Nitrate, Organic Nitrogen, and COD	TOC, Nitrate, Organic Nitrogen, and COD
Herbicide	Herbicide	Check for Specific
Pesticide	Pesticide	Check for Specific
Adhesives	COD	COD
Treated Lumber	CCA	Metals

600.5.5 *Sample Collection and Handling*

Sample Collection Procedures

Samples of discharge will be collected at the designated sampling locations shown on the WPCDs for observed breaches, malfunctions, leakages, spills, operational areas, soil amendment application areas, and historical site usage areas that triggered the sampling event.

Grab samples will be collected and preserved in accordance with the methods identified in Table 600-3, "Sample Collection, Preservation, and Analysis for Monitoring Non-Visible Pollutants" table provided in Section 600.5.6. Only personnel trained in proper water quality sampling will collect samples.

Samples will be collected by placing a separate lab-provided sample container directly into a stream of water downgradient and within close proximity to the potential non-visible pollutant discharge location. This separate lab-provided sample container will be used to collect water, which will be transferred to sample bottles for laboratory analysis. The upgradient and uncontaminated background samples shall be collected first prior to collecting the downgradient to minimize cross-contamination. The sampling personnel will collect the water upgradient of where they are standing. Once the separate lab-provided sample container is filled, the water sample will be poured directly into sample bottles provided by the laboratory for the analyte(s) being monitored.

To maintain sample integrity and prevent cross-contamination, sampling collection personnel will:

- Wear a clean pair of surgical gloves prior to the collection and handling of each sample at each location.
- Not contaminate the inside of the sample bottle by allowing it to come into contact with any material other than the water sample.
- Discard sample bottles or sample lids that have been dropped onto the ground prior to sample collection.
- Not leave the cooler lid open for an extended period of time once samples are placed inside.
- Not sample near a running vehicle where exhaust fumes may impact the sample.
- Not touch the exposed end of a sampling tube, if applicable.
- Avoid allowing rain water to drip from rain gear or other surfaces into sample bottles.
- Not eat, smoke, or drink during sample collection.
- Not sneeze or cough in the direction of an open sample bottle.
- Minimize the exposure of the samples to direct sunlight, as sunlight may cause biochemical transformation of the sample to take place.
- Decontaminate sampling equipment prior to sample collection using a TSP-soapy water wash, distilled water rinse, and final rinse with distilled water.

- Dispose of decontamination water/soaps appropriately; i.e., noy discharge to the storm drain system or receiving water.

Sample Handling Procedures

Immediately following collection, sample bottles for laboratory analytical testing will be capped, labeled, documented on a Chain-of-Custody form provided by the analytical laboratory, sealed in a resealable storage bag, placed in an ice-chilled cooler, at as near to 4 degrees Celsius as practicable, and delivered within 24 hours to the following California state-certified laboratory:

See the following address for a list of California State-Certified Labs:

www.dhs.ca.gov/ps/ls/elap/lab_lists/elaplablist.xls

Sample Documentation Procedures

All original data documented on sample bottle identification labels, Chain of Custody forms, Sampling Activity Logs, and Inspection Checklists will be recorded using waterproof ink. These will be considered accountable documents. If an error is made on an accountable document, the individual will make corrections by lining through the error and entering the correct information. The erroneous information will not be obliterated. All corrections will be initialed and dated. Copies of the Chain of Custody Form and Sample Activity Log are provided in Attachment I.

Sampling and field analysis activity will be documented using the following forms:

- Sample Bottle Identification Labels: Sampling personnel will attach an identification label to each sample bottle. At a minimum, the following information will be recorded on the label, as appropriate:
  - Project name
  - Project number
  - Unique sample identification number and location. [Project Number]-[Six digit sample collection date]-[Location] (*Example*: 07-0G5304-081801-Inlet472). Quality assurance/quality control (QA/QC) samples shall be identified similarly using a unique sample number or designation (*Example*: 07-0G5304-081801-DUP1).
  - Collection date/time (No time applied to QA/QC samples)
  - Analysis constituent
- Sampling Activity Logs: A log of sampling events will identify:
  - Sampling date
  - Separate times for collected samples and QA/QC samples recorded to the nearest minute
  - Unique sample identification number and location
  - Analysis constituent
  - Names of sampling personnel
  - Weather conditions (including precipitation amount)

- Field analysis results
- Other pertinent data

- Chain-of-Custody (COC) forms: All samples to be analyzed by a laboratory will be accompanied by a COC form provided by the laboratory. Only the sample collectors will sign the COC form over to the lab. COC procedures will be strictly adhered to for QA/QC purposes.
- Storm Water Quality Construction Inspection Checklists: When applicable, the contractor's storm water inspector will document on the checklist that samples for non-visible pollutants were taken during a rain event.

600.5.6 Sample Analysis

Samples will be analyzed for the applicable constituents using the analytical methods identified in Table 600-3 "Sample Collection, Preservation and Analysis for Monitoring Non-Visible Pollutants" table in this section.

Lab Analysis

For samples that will be analyzed by a laboratory, sampling, preservation, and analysis shall be performed by a State –Certified laboratory in accordance with 40 CFR Part 136.

Field Analysis

For samples collected for field analysis, the collection, analysis and equipment calibration will be in accordance with field instrument manufacturer's specifications.

The following field instruments will be used to test for the following analytes:

Field Instrument	***Constituent***
Thermometer	Temperature
pH Meter	Potential of Hydrogen
Electro conductivity Meter	TDS

- The instruments will be maintained in accordance with manufacturer's instructions.
- The instrument(s) will be calibrated before each sampling and analysis event.
- Maintenance and calibration records will be maintained with the SWPPP.

TABLE 600-3

Sample Collection, Preservation and Analysis for Non-Visible Pollutants

Parameter	Analytical Method	Minimum Sample Volume	Sample Bottle	Sample Preservation	Reporting Limit	Maximum Holding Time
VOCs-Solvents	EPA 8260B	3 x 40 mL	VOA-glass	Store at 4° C, HCl to pH<2	1 µg/L	14 days
SVOCs	EPA 8270C	1 x 1 L	Glass-amber	Store at 4° C	10 µg/L	7 days
Pesticides/PCBs	EPA 8081A/8082	1 x 1 L	Glass-amber	Store at 4° C	0.1 µg/L	7 days
Herbicides	EPA 8151A	1 x 1 L	Glass-amber	Store at 4° C	Check Lab	7 days
BOD	EPA 405.1	1 x 500 mL	Polypropylene	Store at 4° C	1 mg/L	48 hours
COD	EPA 410.4	1 x 250 mL	Glass-Amber	Store at 4° C, H_2SO_4 to pH<2	5 mg/L	28 days
DO	SM 4500-O G	1 x 250 mL	Glass-Amber	Store at 4° C	Check Lab	8 hours
pH	EPA 150.1	1 x 100 mL	Polypropylene	None	unitless	Immediate
Alkalinity	SM 2320B	1 x 250 mL	Polypropylene	Store at 4° C	1 mg/L	14 days
Metals (Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, Se, Na, Th, Va, Zn)	EPA 6010B/7470A	1 x 250 mL	Polypropylene	Store at 4° C, HNO_3 to pH<2	0.1 mg/L	6 months
Metals (Chromium VI)	EPA 7199	1 x 500 mL	Polypropylene	Store at 4° C	1 µg/L	24 hours

Notes:

°C – Degrees Celsius
BOD – Biological Oxygen Demand
COD – Chemical Oxygen Demand
DO – Dissolved Oxygen
EPA – Environmental Protection Agency
HCl – Hydrogen Chloride
H_2SO_4 – Hydrogen Sulfide
HNO_3 – Nitric Acid
L – Liter
mg/L – Milligrams per Liter
µg/L – Micrograms per Liter
ml – Milliliter
PCB – Polychlorinated Biphenyl
SVOC – Semi-Volatile Organic Compound
SM – Standard Method
TPH – Total Petroleum Hydrocarbons
TRPH – Total Recoverable Petroleum Hydrocarbons
VOA – Volatile Organic Analysis
VOC – Volatile Organic Compound

600.5.7 Quality Assurance/Quality Control

For an initial verification of laboratory or field analysis, duplicate samples will be collected at a rate of 10 percent or 1 duplicate per sampling event. The duplicate sample will be collected, handled, and analyzed using the same protocols as primary samples. A duplicate sample will be collected at each location immediately after the primary sample has been collected. Duplicates will be collected where contamination is likely, not on the background sample. Duplicate samples will not influence any evaluations or conclusions, however, they will be used as a check on laboratory quality assurance.

600.5.8 Data Management and Reporting

A copy of all water quality analytical results and QA/QC data will be submitted to the Owner/Developer within 5 days of sampling (for field analyses) and within 30 days (for laboratory analyses).

Lab reports and COCs will be reviewed for consistency between lab methods, sample identifications, dates, and times for both primary samples and QA/QC samples. All data, including COC forms, Sampling Activity Logs, and Sample Data Reporting Forms shall be kept with the SWPPP document.

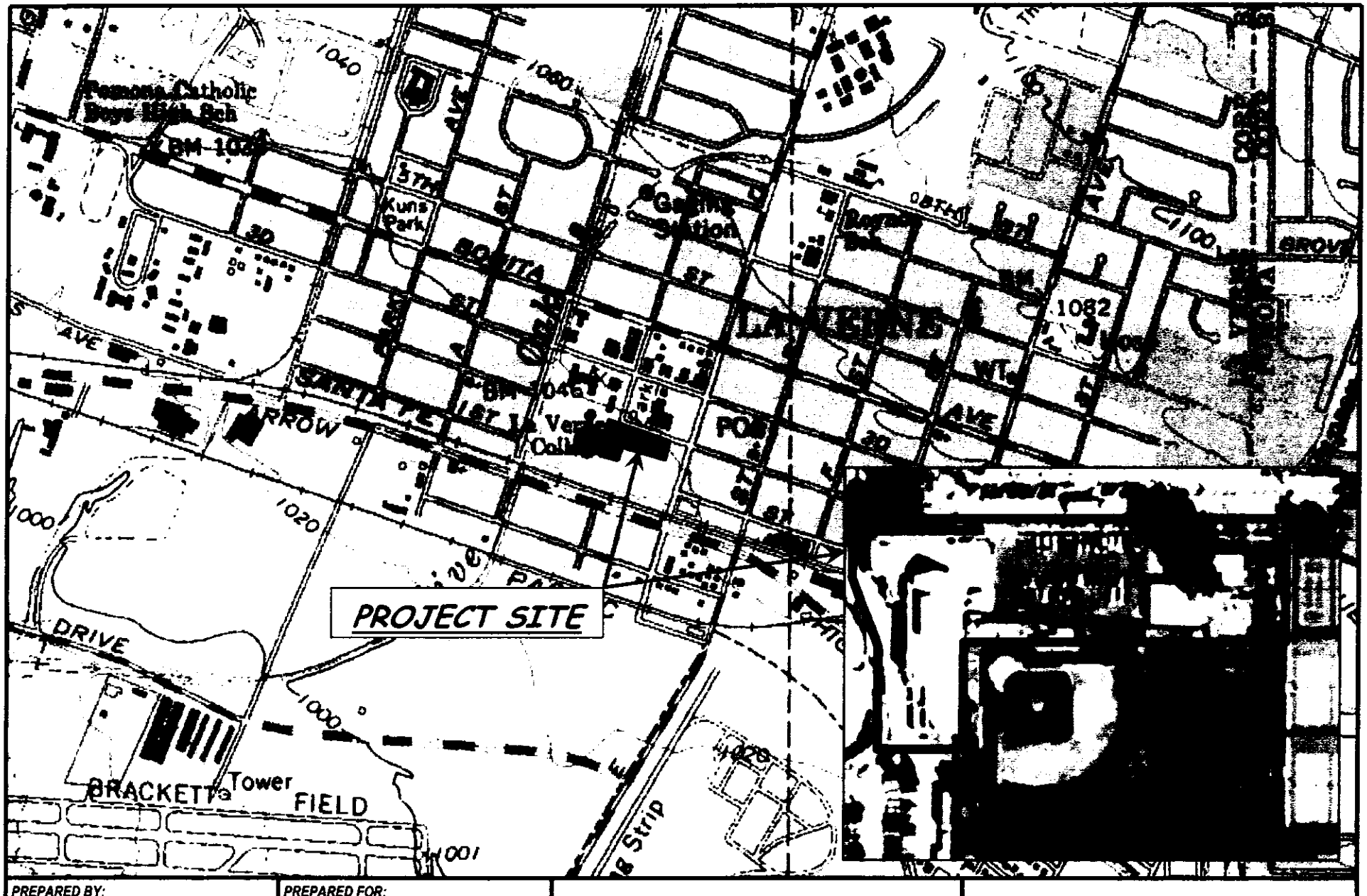
600.5.9 Data Evaluation

An evaluation of the water quality sample analytical results, including figures with sample locations, will be submitted to the Resident Engineer with the water quality analytical results and the QA/QC data. Should the runoff/downgradient sample show an increase level of the tested analyte relative to the background sample, the BMP's, site conditions, and surrounding influences will be assessed to determine the probable cause for the increase.

As determined by the site and data evaluation, appropriate BMPs will be repaired or modified to address increases in non-visual pollutant concentrations. Any revisions to the BMPs will be recorded as an amendment to the SWPPP.

600.5.10 Change Of Conditions

Whenever SWPPP monitoring, pursuant to Section B of the General Permit, indicates a change in site conditions that might affect the appropriateness of sampling locations or introduce additional non-visible pollutants of concern, testing protocols will be revised accordingly. All such revisions will be recorded as amendments to the SWPPP.



PREPARED BY:	PREPARED FOR:		
EVEREST ENVIRONMENTAL 6297 EAST AVENUE RANCHO CUCAMONGA, CA 91739 (909) 957-4239	UNIVERSITY OF LA VERNE 1950 3RD STREET LA VERNE, CA 91750	**UNIV. OF LA VERNE CAMPUS CENTER**	**VICINTY MAP**

ATTACHMENT C

BMP Consideration Checklist

CONSTRUCTION SITE BMPs
CONSIDERATION CHECKLIST

The BMPs listed here should be considered for every project. Those BMPs that are not included in the SWPPP must be checked as "Not Used" with a brief statement describing why it is not being used.

EROSION CONTROL BMPs

BMP No.	BMP	CONSIDERED FOR PROJECT	CHECK IF USED	CHECK IF NOT USED	IF NOT USED, STATE REASON
EC-1	Scheduling	✓	✓		
EC-2	Preservation of Existing Vegetation	✓		✓	Nothing to preserve
EC-3	Hydraulic Mulch	✓		✓	EC-7 Selected
EC-4	Hydroseeding	✓		✓	EC-7 Selected
EC-5	Soil Binders	✓		✓	EC-7 Selected
EC-6	Straw Mulch	✓		✓	EC-7 Selected
EC-7	Geotextiles & Mats	✓	✓		
EC-8	Wood Mulching	✓		✓	EC-7 Selected
EC-9	Earth Dikes & Drainage Swales	✓		✓	Not in Use
EC-10	Velocity Dissipation Devices	✓		✓	Not Necessary
EC-11	Slope Drains	✓		✓	Lack of Slopes
EC-12	Streambank Stabilization	✓		✓	Not Applicable
EC-13	Polyacrylamide			✓	Not in Use

CONSTRUCTION SITE BMPs CONSIDERATION CHECKLIST

The BMPs listed here should be considered for every project. Those BMPs that are not included in the SWPPP must be checked as "Not Used" with a brief statement describing why it is not being used.

SEDIMENT CONTROL BMPs

BMP No.	BMP	CONSIDERED FOR PROJECT	CHECK IF USED	CHECK IF NOT USED	IF NOT USED, STATE REASON
SE-1	Silt Fence	✓	✓		
SE-2	Sediment Basin			✓	Not Selected
SE-3	Sediment Trap			✓	Not Necessary
SE-4	Check Dam	✓		✓	Not Selected
SE-5	Fiber Rolls	✓		✓	SE-1 and SE-6 Selected
SE-6	Gravel Bag Berm	✓	✓		
SE-7	Street Sweeping and Vacuuming	✓	✓		
SE-8	Sand Bag Barrier	✓	✓		
SE-9	Straw Bale Barrier	✓		✓	Not Applicable to Arid Climes
SE-10	Storm Drain Inlet Protection	✓	✓		
SE-11	Chemical Treatment			✓	Not Selected

WIND EROSION CONTROL BMPs

WE-1	Wind Erosion Control	✓	✓		

TRACKING CONTROL BMPs

TR-1	Stabilized Construction Entrance/Exit	✓	✓		
TR-2	Stabilized Construction Roadway			✓	Not Necessary
TR-3	Entrance/Outlet Tire Wash	✓		✓	Not Applicable to Sandy Soil

CONSTRUCTION SITE BMPs CONSIDERATION CHECKLIST

The BMPs listed here should be considered for every project. Those BMPs that are not included in the SWPPP must be checked as "Not Used" with a brief statement describing why it is not being used.

NON-STORM WATER MANAGEMENT BMPs

BMP No.	BMP	CONSIDERED FOR PROJECT	CHECK IF USED	CHECK IF NOT USED	IF NOT USED, STATE REASON
NS-1	Water Conservation Practices	✓	✓		
NS-2	Dewatering Operations	✓		✓	Not Anticipated
NS-3	Paving and Grinding Operations	✓	✓		
NS-4	Temporary Stream Crossing			✓	Not Applicable
NS-5	Clear Water Diversion			✓	Not Applicable
NS-6	Illicit Connection/ Discharge	✓	✓		
NS-7	Potable Water/Irrigation	✓	✓		
NS-8	Vehicle and Equipment Cleaning	✓	✓		
NS-9	Vehicle and Equipment Fueling	✓	✓		
NS-10	Vehicle and Equipment Maintenance	✓	✓		
NS-11	Pile Driving Operations			✓	Not Applicable
NS-12	Concrete Curing	✓	✓		
NS-13	Concrete Finishing	✓		✓	Will Not Occur
NS-14	Material and Equipment Use Over Water			✓	Will Not Occur
NS-15	Demolition Adjacent to Water			✓	Not Applicable
NS-16	Temporary Batch Plants			✓	Not Applicable

CONSTRUCTION SITE BMPs CONSIDERATION CHECKLIST

The BMPs listed here should be considered for every project. Those BMPs that are not included in the SWPPP must be checked as "Not Used" with a brief statement describing why it is not being used.

WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs

BMP No.	BMP	CONSIDERED FOR PROJECT	CHECK IF USED	CHECK IF NOT USED	IF NOT USED, STATE REASON
WM-1	Material Delivery and Storage	✓	✓		
WM-2	Material Use	✓	✓		
WM-3	Stockpile Management	✓	✓		
WM-4	Spill Prevention and Control	✓	✓		
WM-5	Solid Waste Management	✓	✓		
WM-6	Hazardous Waste Management	✓	✓		
WM-7	Contaminated Soil Management	✓		✓	Not Applicable
WM-8	Concrete Waste Management	✓	✓		
WM-9	Sanitary/Septic Waste Management	✓	✓		
WM-10	Liquid Waste Management	✓		✓	Not Applicable

ATTACHMENT D

Computation Sheet for Determining Runoff Coefficients

Total Site Area = 1.5 Acres (A)

EXISTING SITE CONDITIONS

Impervious Site Area [1] = 1.275 Acres (B)

Impervious Site Area Runoff Coefficient [2, 4] = .95 (C)

Pervious Site Area [3] = 0.225 Acres (D)

Pervious Site Area Runoff Coefficient [4] = .35 (E)

Existing Site Area Runoff Coefficient $\frac{(B \times C) + (D \times E)}{(A)}$ = **.86** (F)

PROPOSED SITE CONDITIONS (AFTER CONSTRUCTION)

Impervious Site Area [1] = 1.2 Acres (G)

Impervious Site Area Runoff Coefficient [2, 4] = .95 (H)

Pervious Site Area [3] = 0.3 Acres (I)

Pervious Site Area Runoff Coefficient [4] = .35 (J)

Proposed Site Area Runoff Coefficient $\frac{(G \times H) + (I \times J)}{(A)}$ = **.83*** (K)

***Does not account for infiltration and retention that will occur from the inclusion of "brooks basins" and retention/infiltration basin.**

1. Includes paved areas, areas covered by buildings, and other impervious surfaces.
2. Use 0.95 unless lower or higher runoff coefficient can be verified.
3. Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4. Refer to local Hydrology Manual for typical C values.

ATTACHMENT D

Table D-1
Runoff Coefficients for Undeveloped Areas
Watershed Types

	Extreme	High	Normal	Low
Relief	0.28 – 0.35 Steep, rugged terrain with average slopes above 30%	0.20 – 0.28 Hilly, with average slopes of 10 to 30%	0.14 – 0.20 Rolling, with average slopes of 5 to 10%	0.08 – 0.14 Relatively flat land, with average slopes of 0 to 5%
Soil Infiltration	0.12 – 0.16 No effective soil cover, either rock or thin soil mantle of negligible infiltration capacity	0.08 – 0.12 Slow to take up water, clay or shallow loam soils of low infiltration capacity, imperfectly or poorly drained	0.06 – 0.08 Normal; well drained light or medium textured soils, sandy loam's, silt and silt loam's	0.04 – 0.06 High; deep sand or other soil that takes up water readily, very light well drained soils
Vegetal Cover	0.12 – 0.16 No effective plant cover, bare or very sparse cover	0.08 – 0.12 Poor to fair; clean cultivation crops, or poor natural cover, less than 20% of drainage area over good cover	0.06 – 0.08 Fair to good; about 50% of area in good grassland or woodland, nor more than 50% of area in cultivated crops	0.04 – 0.06 Good to excellent; about 90% of drainage area in good grassland, woodland or equivalent cover
Surface Storage	0.10 – 0.12 Negligible surface depression few and shallow; drainage-ways steep and small, no marshes	0.08 – 0.10 Low; well defined system of small drainage ways; no ponds or marshes	0.06 – 0.08 Normal; considerable surface depression storage; lakes and pond marshes	0.04 – 0.06 High; surface storage, high; drainage system not sharply defined; large flood plain storage or large number of ponds or marshes

Given An undeveloped watershed consisting of;

1) Relatively flat land
2) Sandy loam's,
3) Fair to good
4) Low; well defined

Find The runoff coefficient, C, for the above watershed.

Solution:

Relief	0.10
Soil Infiltration	0.07
Vegetal Cover	0.08
Surface Storage	0.10

C = 0.35

ATTACHMENT E

Computation Sheet for Determining Run-on Discharges

There are no run-on flows which flow through disturbed soil areas. All off-site storm water discharges will remain in existing natural drainage courses.

ATTACHMENT F

Notice of Intent (NOI)/Waste Discharge Identification (WDID)

State Water Resources Control Board

NOTICE OF INTENT

TO COMPLY WITH THE TERMS OF THE
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQ ORDER No. 99-08-DWQ)

I. NOI STATUS (SEE INSTRUCTIONS)

MARK ONLY ONE ITEM 1. ☒ New Construction 2. ☐ Change of Information for WDID#

II. PROPERTY OWNER

Name	Contact Person		
University of La Verne	David Koch		
Mailing Address	Title		
1950 Third Street	Project Manager		
City	State	Zip	Phone
La Verne	CA	91750	909-593-3511x4543

III. DEVELOPER/CONTRACTOR INFORMATION

Developer/Contractor	Contact Person		
KAR Construction, Inc.	Tom Garrison		
Mailing Address	Title		
1306 Brooks Street	Project Manager		
City	State	Zip	Phone
Ontario	CA	91762	909-988-5054

IV. CONSTRUCTION PROJECT INFORMATION

Site/Project Name	Site Contact Person		
University of La Verne Campus Center	Tom Garrison		
Physical Address/Location	Latitude	Longitude	County
C Street and 2nd Street	°	°	Los Angeles
City (or nearest City)	Zip	Site Phone Number	Emergency Phone Number
La Verne	91750	909-988-5054	909-988-5054

A. Total size of construction site area: 1.5 Acres

B. Total area to be disturbed: 1.5 Acres (% of total 100%)

C. Percent of site imperviousness (including rooftops):
Before Construction: 85 %
After Construction: 80 %

D. Tract Number(s):

E. Mile Post Marker:

F. Is the construction site part of a larger common plan of development or sale? ☐ YES ☒ NO

G. Name of plan or development:

H. Construction commencement date: 11/01/2007

I. % of site to be mass graded. 100%

J. Projected construction dates:
Complete grading: 05/01/2008 Complete project: 11/01/2009

K. Type of Construction (Check all that apply):
1. ☐ Residential 2. ☐ Commercial 3. ☐ Industrial 4. ☐ Reconstruction 5. ☐ Transportation
6. ☐ Utility Description: 7. ☒ Other (Please List): School Facility

V. BILLING INFORMATION

SEND BILL TO:	Name	Contact Person	
☒ OWNER (as in II. above)			
☐ DEVELOPER (as in III. above)	Mailing Address	Phone/Fax	
☐ OTHER (enter information at right)	City	State	Zip
		CA	

VI. REGULATORY STATUS

A. Has a local agency approved a required erosion/sediment control plan? ☐ YES ☒ NO

Does the erosion/sediment control plan address construction activities such as infrastructure and structures? ☐ YES ☒ NO

Name of local agency: _____ Phone: _____

B. Is this project or any part thereof, subject to conditions imposed under a CWA Section 404 permit of 401 Water Quality Certification? ☐ YES ☒ NO

If yes, provide details. _____

VII. RECEIVING WATER INFORMATION

A. Does the storm water runoff from the construction site discharge to (Check all that apply):

1. ☒ **Indirectly to waters of the U.S.**
2. ☒ **Storm drain system - Enter owner's name:** Los Angeles County DPW
3. ☐ **Directly to waters of U.S. (e.g. , river, lake, creek, stream, bay, ocean, etc.)**

B. Name of receiving water: (river, lake, creek, stream, bay, ocean): Live Oak Wash

VIII. IMPLEMENTATION OF NPDES PERMIT REQUIREMENTS

A. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one)

☐ A SWPPP has been prepared for this facility and is available for review: Date Prepared: _____ Date Amended: _____

☒ A SWPPP will be prepared and ready for review by (enter date): 08/21/2007

☐ A tentative schedule has been included in the SWPPP for activities such as grading, street construction, home construction, etc.

B. MONITORING PROGRAM

☒ A monitoring and maintenance schedule has been developed that includes inspection of the construction BMPs before anticipated storm events and after actual storm events and is available for review.

If checked above: A qualified person has been assigned responsibility for pre-storm and post-storm BMP inspections to identify effectiveness and necessary repairs or design changes. ☒ YES ☐ NO

Name: Tom Garrison Phone: 909-988-5054

C. PERMIT COMPLIANCE RESPONSIBILITY

A qualified person has been assigned responsibility to ensure full compliance with the Permit, and to implement all elements of the Storm Water Pollution Prevention Plan including:

1. Preparing an annual compliance evaluation ☒ YES ☐ NO

Name: Tom Garrison Phone: 909-988-5054

2. Eliminating all unauthorized discharges ☒ YES ☐ NO

IX. VICINITY MAP AND FEE (must show site location in relation to nearest named streets, intersections, etc.)

Have you included a vicinity map with this submittal? ☒ YES ☐ NO

Have you included payment of the annual fee with this submittal? ☒ YES ☐ NO

X. CERTIFICATIONS

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan will be complied with."

Printed Name: _____

Signature: _____ **Date:** _____

Title: _____

ATTACHMENT G

Program for Maintenance, Inspection, and Repair of Construction Site BMPs

SWPPP Inspection, Maintenance, and Repair Program			
Best Management Practices (BMPs)	*INSPECTION FREQUENCY*		*MAINTENANCE/REPAIR PROGRAM*
	Rainy	*Non-Rainy*	
TEMPORARY SOIL STABILIZATION BMPs			
EC-7 Geotextiles, Mats/Plastic Covers & Erosion Control Blankets	Weekly Prior to a forecast storm After a rain event that causes At 24-hour intervals during extended rain events	Bi-weekly	▪ Maintain continuous mulch cover over area to be protected ▪ Re-spray hydraulic mulch as needed ▪ As soon as weather and soil conditions permit, repair any slope damage or exposed areas ▪ Replace and dispose torn or missing sections of plastic covers. Replace or supplement anchors as necessary to keep covers in place

BMPs	*INSPECTION FREQUENCY*		*MAINTENANCE/REPAIR PROGRAM*
	Rainy	*Non-Rainy*	
TEMPORARY SEDIMENT CONTROL BMPs			
SE-1 Silt Fence SE-6 Gravel Bag Berm SE-8 Sand Bag Barrier SE-10 Storm Drain Inlet Protection	Weekly Prior to a forecast storm After a rain event that causes At 24-hour intervals during extended rain events	Bi-weekly	▪ Remove, dispose, and replace damaged, deteriorated, or otherwise unsuitable BMPS ▪ Repair any slopes damage as soon as weather conditions permit ▪ Replace torn sand bags as required ▪ Replace torn section of silt fences ▪ Re-key bottom of fences as needed ▪ Remove retained sediment before they reach $^1/_3$ of the barrier height or ½ of the sediment holding capacity ▪ Clean and dispose of accumulated sediment deposited in sediment traps around drainage inlets; re-secure silt fence as needed ▪ Remove BMPs when no longer needed, as directed by the Engineer. Repair slope/surfaces damaged by BMP removal.
SE-7 Street Sweeping and Vacuuming	Daily	Bi-weekly	▪ Inspect site access points daily ▪ Sweep tracked sediment
WIND EROSION CONTROL BMPs			
WE-1 Wind Erosion Control	Daily	Bi-weekly	▪ Maintain water trucks and water distribution equipment in good order and fix leaks immediately

BMPs	*INSPECTION FREQUENCY*		*MAINTENANCE/REPAIR PROGRAM*
	Rainy	*Non-Rainy*	
TRACKING CONTROLS BMPs			
TR-1 Stabilized Construction Entrance/Exit	Weekly Prior to a forecast storm After a rain event that causes At 24-hour intervals during extended rain events	Bi-weekly	▪ Replace gravel as necessary ▪ Remove excessive soil accumulation ▪ Sweep surrounding areas
NON-STORM WATER MANAGEMENT BMPs			
NS-4 Paving and Grinding Operations NS-6 Illicit Connection/Illegal Discharge Detection and Reporting NS-8 Vehicle and Equipment Cleaning NS-9 Vehicle and Equipment Fueling NS-10 Vehicle and Equipment Maintenance NS-12 Concrete Curing	Weekly		▪ Inspect site during project execution for evidence of illicit discharges or illegal dumping ▪ Observe site perimeter for evidence or potential of illicitly discharged or illegally dumped material which may enter the job site ▪ Notify the Resident Engineer of any illicit discharges or illegal dumping incidents at time of discovery ▪ Remove vehicles and/or equipment that leaks ▪ Remove BMPs when no longer needed, as directed by the Engineer ▪ Repair slope/surfaces damaged by BMP removal

BMPs	*INSPECTION FREQUENCY*		*MAINTENANCE/REPAIR PROGRAM*
	Rainy	*Non-Rainy*	
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs			
WM-1 Material Delivery and Storage WM-2 Material Use WM-3 Stockpile Management WM-4 Spill Prevention and Control WM-5 Solid Waste Management WM-6 Hazardous Waste Management WM-9 Sanitary/Septic Waste Management	Weekly Prior to a forecast storm After a rain event that cause runoff from the construction site At 24-hour intervals during extended rain events	Bi-Weekly	▪ Keep storage areas clean, well organized, and supplies as appropriate for the materials stored ▪ Repair or replace perimeter controls, containment structures, covers and linear as needed to maintain proper function and protection ▪ Properly remove and dispose accumulated rainwater from containment facilities ▪ Cover any stockpiles with appropriate mats or covers ▪ Maintain waste fluid containers in leak proof condition ▪ Repair or replace dumpster that leak ▪ Provide timely service and removal to prevent dumpster and sanitary facilities from overflowing ▪ Schedule refuse contractor to pick up waste containers
WM-8 Concrete Waste Management	Weekly	Weekly	▪ Remove accumulated debris from concrete washouts ▪ Replace lining and sand bags as necessary

ATTACHMENT H

Storm Water Quality Construction Site Checklist

GENERAL INFORMATION				
Project Name	Campus Center Building			
City/County	University of La Verne, in Los Angeles County			
Contractor	KAR Construction			
Inspector's Name	Tom Garrison			
Inspector's Title				
Signature				
Date of Inspection				
Inspection Type (Check Applicable)	❒ Prior to forecast rain		❒ After a rain event	
	❒ 24-hr intervals during extended rain		❒ Other _____	
Season (Check Applicable)	❒ Rainy		❒ Non-Rainy	
Storm Data	Storm Start Date & Time:		Storm Duration (hrs):	
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (mm)	

PROJECT AREA SUMMARY AND DISTURBED SOIL AREA (DSA) SIZE		
Total Project Area	*1.5*	Acres
Field Estimate of Non-Active DSAs	_____	Acres
Field Estimate of Active DSAs	_____	Acres

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?				
Location:				
Location:				
Location:				
Location:				
Temporary Soil Stabilization				
Does the applied temporary soil stabilization provide 100% coverage for the required areas?				
Are any non-vegetated areas that may require temporary soil stabilization?				
Is the area where temporary soil stabilization required free from visible erosion?				
Location:				
Location:				
Location:				
Location:				
Temporary Linear Sediment Barriers				
Are temporary linear sediment barriers properly installed in accordance with the details, functional and maintained?				
Are temporary linear sediment barriers free of accumulated litter?				
Is the built-up sediment less than 1/3 the height of the barrier?				
Are cross barriers installed where necessary and properly spaced?				
Are fiber rolls installed and maintained on required slopes in accordance with the details, functional and maintained?				
Location:				
Location:				
Location:				
Location:				
Location:				
Storm Drain Inlet Protection				
Are storm drain inlets internal to the project properly protected with either Type 1, 2 or 3 inlet protection?				
Are storm drain inlet protection devices in working order and being properly maintained?				
Location:				
Location:				
Location:				

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Location:				
Desilting Basins				
Are basins maintained to provide the required retention/detention?				
Are basin controls (inlets, outlets, diversions, weirs, spillways, and racks) in working order?				
Location:				
Location:				
Location:				
Location:				
Stockpiles				
Are all locations of temporary stockpiles, including soil, hazardous waste, and construction materials in approved areas?				
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?				
Are stockpiles located at least 15 m from concentrated flows, downstream drainage courses and storm drain inlets?				
Are required covers and/or perimeter controls in place?				
Location:				
Location:				
Location:				
Location:				
Concentrated Flows				
Are concentrated flow paths free of visible erosion?				
Location:				
Location:				
Location:				
Location:				
Tracking Control				
Are points of ingress/egress to public/private roads inspected, swept, and vacuumed daily?				
Are all paved areas free of visible sediment tracking or other particulate matter?				
Location:				
Location:				
Location:				
Location:				
Wind Erosion Control				
Is dust control implemented in conformance with Section 10 of the Standard Specifications?				

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Location:				
Location:				
Location:				
Location:				
Dewatering Operations				
Is dewatering handled in conformance with the dewatering permit issued by the RWQCB?				
Is required treatment provided for dewatering effluent?				
Location:				
Location:				
Location:				
Location:				
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?				
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?				
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m away from downstream drainage facilities and watercourses, and protected from run-on and runoff?				
Is wash water contained for infiltration/ evaporation and disposed of outside the highway right of way?				
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?				
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?				
Location:				
Location:				
Location:				
Location:				
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?				
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?				
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?				
Are bagged and boxed materials stored on pallets?				

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Are hazardous materials and wastes stored in appropriate, labeled containers?				
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?				
Are temporary containment facilities free of spills and rainwater?				
Are temporary containment facilities and bagged/boxed materials covered?				
Are temporary concrete washout facilities designated and being used?				
Are temporary concrete washout facilities functional for receiving and containing concrete waste and are concrete residues prevented from entering the drainage system?				
Do temporary concrete washout facilities provide sufficient volume and freeboard for planned concrete operations?				
Are the temporary concrete washout facilities' PVC liners free from punctures and holes?				
Are concrete wastes, including residues from cutting and grinding, contained and disposed of off-site or in concrete washout facilities?				
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?				
Is the site free of litter?				
Are trash receptacles provided in the Contractor's yard, field trailer areas, and at locations where workers congregate for lunch and break periods?				
Is litter from work areas within the construction limits of the project site collected and placed in watertight dumpsters?				
Are waste management receptacles free of leaks?				
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?				
Are waste management receptacles filled at or beyond capacity?				
Location:				
Location:				
Location:				
Location:				
Temporary Water Body Crossing or Encroachment				
Are temporary water body crossings and encroachments constructed as shown on the plans or as approved by the engineer?				
Does the project conform to the requirements of the 404 permit and/or 1601agreement?				
Location:				
Location:				
Location:				
Location:				

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Location:				
Illicit Connection/Illegal Discharge Detection and Reporting				
Is there any evidence of illicit discharges or illegal dumping on the project site?				
If yes, has the Engineer been notified?				
Location:				
Location:				
Location:				
Location:				
Discharge Points				
Are discharge points and discharge flows free from noticeable pollutants?				
Are discharge points free of any significant erosion or sediment transport?				
Location:				
Location:				
Location:				
Location:				
WPCP/SWPPP Update				
Do the WPCP/SWPPP, Project Schedule/Water Pollution Control Schedule and WPCDs adequately reflect the current site conditions and contractor operations?				
Are all BMPs shown on the WPCDs installed in the proper location(s) and according to the details for the plan?				
Location:				
Location:				
Location:				
Location:				
General				
Are there any other potential water pollution control concerns at the site?				
Location:				
Location:				
Location:				
Location:				
Storm Water Monitoring				
Does storm water discharge directly to an water body listed as impaired for sediment/sedimentation or turbidity in the General Construction Activity Permit?				

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan, if required, during rain events?				
Were there any BMPs not properly implemented, or breaches, malfunctions, leakages or spills observed, which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
Were soil amendments (e.g., gypsum) used on the project?				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
Did storm water contact stored materials or waste and resulted in a discharge from the construction site? (Materials not in watertight containers, etc.)				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				

ATTACHMENT I

Trained Contractor Personnel Log

Insert any documentation of training here.

Date	Training Type (ex. formal class, tailgate session, video)	Training Duration	Attendees
8/21/07	TAILGATE (JOB SPECIFIC)	N/A	KURT ROTHWEILER JIM STEET TOM GARRISON TOM BIGGINGS

Note: Attach copies of sign-in sheets or other documentation of training (certificates, materials presented, agenda, etc.)

ATTACHMENT J

Subcontractor Notification Letter and Log

Project Name: Campus Center Building

City/County: University of La Verne, in Los Angeles County

The list shall include all Subcontractor names, responsible individuals, telephone numbers, addresses, specific areas of responsibility, and emergency contact numbers.

SUBCONTRACTOR NAME/AREA OF RESPONSIBILITY	CONTACT NAME	ADDRESS	PHONE NUMBER	PAGER/FIELD EMERGENCY PHONE NUMBER	DATE NOTIFICATION LETTER SENT
Sub-Contractor info. not available at the time of SWPPP Preparation. To be completed by contractor.					

ATTACHMENT J

Memorandum to Employees

(May Be Attached Periodically to Paychecks)

TO ALL EMPLOYEES:

KAR Construction, Inc. supports the protection of our environment and has developed a program for this project to reduce pollutants from entering the local waterways.

You will be expected to do your part to comply with this program while you are working on this project by:

- Disposing of trash, rubbish, and construction debris properly.
- Reporting, to the General Contractor, leaky vehicles or equipment or other pollution sources.
- Covering materials, which may be exposed to the rain.
- Encouraging your co-workers to do the same.

Remember, you and your family are the ones who drink, shower, fish, and enjoy the recreation that is provided by these waters.

A copy of the storm water pollution plan developed for this site is available for your review at the construction office.

ATTACHMENT J

Sample Subcontractor Notification Letter

SWPPP Notification

Company
Address
City, State, ZIP

Dear Sir/Madam,

Please be advised that the California State Water Resources Control Board has adopted the General Permit (General Permit) for Storm Water Discharges Associated with Construction Activity (CAS000002). The goal of these permits is prevent the discharge of pollutants associated with construction activity from entering the storm drain system, ground and surface waters.

KAR Construction, Inc. has developed a Storm Water Pollution Prevention Plan (SWPPP) in order to implement the requirements of the Permits.

As a subcontractor, you are required to comply with the SWPPP and the Permits for any work that you perform on site. Any person or group who violates any condition of the Permits may be subject to substantial penalties in accordance with state and federal law. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP and the Permits. A copy of the Permits and the SWPPP are available for your review at the construction office. Please contact me if you have further questions.

Sincerely,

Name
Title

ATTACHMENT K

Notice of Discharge, Written Notice, or Order

(SAMPLE)

To: Date:
Subject: Notice of Discharge

Project Name: Campus Center Building
City /County: University of La Verne, in Los Angeles County

In accordance with the NPDES Statewide Permit for Storm Water Discharges Associated with Construction Activity, the following instance of discharge is noted:

Date, time, and location of discharge
Insert description and date of event

Nature of the operation that caused the discharge
Insert description of operation

Initial assessment of any impact cause by the discharge
Insert assessment

Existing BMP(s) in place prior to discharge event
List BMPs in place

Date of deployment and type of BMPs deployed after the discharge.
BMPs deployed after the discharge (with dates)

Steps taken or planned to reduce, eliminate and/or prevent recurrence of the discharge
Insert steps taken to prevent recurrence

Implementation and maintenance schedule for any affected BMPs
Insert implementation and maintenance schedule

If further information or a modification to the above schedule is required, notify the contact person below.

_____ _____
General Contractor's Signature Date

_____ (____)_____
Name, Title Phone Number

ATTACHMENT L

Storm Water Pollution Prevention Plan (SWPPP) and Monitoring Program Checklist

CONSTRUCTION PROJECT: Campus Center Building

CONTRACTOR: KAR Construction

SECTION A: STORM WATER POLLUTION PREVENTION PLAN (SWPPP)				
CHECK IF ADDRESSED N/A IF NOT APPLICABLE	SWPPP SECTION	ITEM	GENERAL PERMIT REF.	COMMENTS
✓	100	***SWPPP Certification and Approval***	C.10	
✓	100.1	SWPPP Certification	C.10	
✓	100.2	SWPPP Approval	C.10	
✓	200	***SWPPP Amendments***	A.4.a, A.16	
✓	200.1	Amendment number and date entered into SWPPP – Amendment Log	A.4.a, A.16	
✓	200.2	Amendment Certification and Approval	A.4.a, A.16	
✓	300	***Introduction/Project Description***		
✓	300.1	Project Description and Location (narrative)	A.5.a.1	
✓	300.2	Unique Site Features (narrative)	A.5.a.1	
✓	300.4	Project Schedule/Water Pollution Control Schedule (narrative or graphical)	A.5.c.5	
✓	400	***References***	A.14	
✓	500.2	Vicinity Map (narrative or graphic)	A.5.a.1	
✓	500.2	Site perimeter	A.5.a.1	
✓	500.2	Geographic Features	A.5.a.1	
✓	500.2	General topography	A.5.a.1	
✓	500.4	Water Pollution Control Drawings (WPCDs) (graphic or narrative)	A.5.a.2	
✓	500.4	Site perimeter	***A.5.a.2***	
✓	500.4	Existing and proposed buildings, lots, and roadways	***A.5.a.2***	
✓	500.4	Storm water collection and discharge points	***A.5.a.2***	
✓	500.4	General topography before and after construction	***A.5.a.2***	
✓	500.4	Anticipated discharge location(s)	***A.5.a.2***	
✓	500.4	Drainage patterns including the entire relevant drainage areas	***A.5.a.2***	

SECTION A: STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

CHECK IF ADDRESSED N/A IF NOT APPLICABLE	SWPPP SECTION	ITEM	GENERAL PERMIT REF.	COMMENTS
✓	500.4	Temporary on-site drainage(s)	*A.5.a.2*	
✓	500.3	***Pollutant Source and BMP Identification (narrate/ or indicate on site map)***	*A.5.b*	
✓		***Drainage***	*A.5.b.1*	
✓	500.4	Drainage patterns after major grading	*A.5.b.1*	
✓	500.4	Slopes after major grading	*A.5.b.1*	
✓	Attach. E	Calculations for storm water run-on	*A.5.b.1*	
✓	500.4	BMPs that divert off-site drainage from passing through site	*A.5.b.1*	
✓	500.4	Storm Water Inlets	A.5.b.2	
✓	500.4	Drainage patterns to storm water inlets or receiving water	A.5.b.2	
✓	500.4	BMPs that protect storm water inlets or receiving water	A.5.b.2	
✓		***Site History (narrative; if possible, indicate location(s) on the Water Pollution Control Drawings)***	A.5.b	
✓	500.3.3	Nature of fill material and data describing the soil. Description of toxic materials treated, stored, disposed, spilled or leaked on site	A.5.b.3	
✓	500.3.8 & 500.3.9	BMPs that minimize contact of contaminants with storm water	A.5.b.3	
		Location of Areas Designated for:	A.5.b.4	
✓	500.3.8 & 500.4	Vehicle storage & service	A.5.b.4	
✓	500.3.8 & 500.4	Equipment storage, cleaning, maintenance	A.5.b.4	
✓	500.3.9 & 500.4	Soil or waste storage	A.5.b.4	
✓	500.3.9 & 500.4	Construction material loading, unloading, storage and access	A.5.b.4	
✓	500.3.8 & 500.3.9	Areas outside of Owners right-of-way (yards, borrow areas, etc.)		
✓		***BMP Locations or Descriptions for:***	*A.5.b.5*	
✓	500.3.9 & 500.4	Waste handling and disposal areas	A.5.b.5	
✓	500.3.9 & 500.4	On-site storage and disposal of construction materials and waste	A.5.b.5	
✓	500.3.8, 500.3.9 & 500.4	Minimum exposure of storm water to construction materials, equipment, vehicles, waste	A.5.b.5	
✓	*500.6*	***Post Construction BMPs***	*A.5.b.6*	
✓	500.6.1	Listing or Description of Post-construction BMPs	A.5.b.6	
✓	500.4	Location of post-construction BMPs	A.5.b.6	

SECTION A: STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

CHECK IF ADDRESSED N/A IF NOT APPLICABLE	SWPPP SECTION	ITEM	GENERAL PERMIT REF.	COMMENTS
✓	500.6.1	Description of post-construction BMPs	A.10	
✓	500.6.2	Operation/Maintenance of BMPs after project completion (including short-term funding, long-term funding and responsible party)	A.10	
✓	*500.5*	*Maintenance, Inspections, And Repair*	*A.11*	
✓	300.5, 600.1	Name and phone number of person(s) responsible for inspections	A.11	
✓	600.1, Attach. H	Complete inspection checklist: date, weather, inadequate BMPs, visual observations of BMPs, corrective action, inspector's name, title, signature	A.11.a-f	
✓		*Other Requirements*	*A.12-16*	
✓	500.7	Documentation of all training	A.12	
✓	500.8	List of Contractors/Subcontractors	A.13	

SECTION B: MONITORING AND REPORTING REQUIREMENTS

CHECK IF ADDRESSED N/A IF NOT APPLICABLE	SWPPP SECTION	ITEM	GENERAL PERMIT REF.	COMMENTS
✓	600.1	Description of Site Inspection Plans	B.3	
✓	100.3	Compliance certification (annually 7/1)	B.4	
✓	600.2	Discharge reporting	B.5	
✓	600.3	Keep records of all inspections, compliance certifications, and noncompliance reports on site for a period of at least three years	B.6	

SECTION C: STANDARD PROVISIONS FOR CONSTRUCTION ACTIVITIES

CHECK IF ADDRESSED N/A IF NOT APPLICABLE	SWPPP SECTION	ITEM	GENERAL PERMIT REF.	COMMENTS
✓	100.1	Signed SWPPP Certification	C.9-10	

ATTACHMENT M

Annual Certification of Compliance Form

Annual Certification of Compliance for the Construction Contractor

Project Name: Campus Center Building

City/County: University of La Verne, in Los Angeles County

Contractor Company Name: KAR Construction, Inc.

Contractor Address: 1306 Brooks Street, Ontario, CA 91762

Construction Start Date: November 1, 2007 **Completion Date:** November 1, 2009

Description of Work:

Work Now in Progress:

Work Planned for Next 12 Months:

"I certify under penalty of law that this document and all attachments were prepared under my direction of supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Contractor Signature:_____ Date:_____

ATTACHMENT N

Other Plans And Permits

ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	VALUE	AMOUNT
NS-2	Dewatering Operations	EA			
NS-3	Paving and Grinding Operations	LS			
NS-4	Temporary Stream Crossing	EA			
NS-5	Clear Water Diversion	EA			
NS-6	Illicit Connection/ Discharge	LS			
NS-7	Potable Water/Irrigation	LS			
NS-8	Vehicle and Equipment Cleaning	LS			
NS-9	Vehicle and Equipment Fueling	LS			
NS-10	Vehicle and Equipment Maintenance	LS			
NS-11	Pile Driving Operations	LS			
NS-12	Concrete Curing	LS			
NS-13	Material and Equipment Use Over Water	LS			
NS-14	Concrete Finishing	LS			
NS-15	Demolition Adjacent to Water	LS			
NS-16	Temporary Batch Plants	LS			
WM-1	Material Delivery and Storage	LS			
WM-2	Material Use	LS			
WM-3	Stockpile Management	LS			
WM-4	Spill Prevention and Control	LS			
WM-5	Solid Waste Management	LS			
WM-6	Hazardous Waste Management	LS			
WM-7	Contaminated Soil Management	LS			
WM-8	Concrete Waste Management	LS			
WM-9	Sanitary/Septic Waste Management	LS			
WM-10	Liquid Waste Management	LS			
			TOTAL		

ATTACHMENT P

Notice of Termination (NOT)

Terry Tamminen
Secretary for Environmental Protection

State Water Resources Control Board

Division of Water Quality
1001 I Street • Sacramento, California 95814 • (916) 341-5537
Mailing Address: P.O. Box 1977 • Sacramento, California • 95812-1977
FAX (916) 341-5543 • Internet Address: http://www.swrcb.ca.gov

Arnold Schwarzenegger
Governor

To: Storm Water Permit Holder

RE: NOTICE OF TERMINATION OF COVERAGE UNDER THE GENERAL **CONSTRUCTION** STORM WATER PERMIT (GENERAL PERMIT)

In order for us to terminate your coverage under the General Permit, please complete and submit the enclosed Notice of Termination (NOT) your local Regional Water Quality Control Board (RWQCB). Refer to the last page of the NOT packet for RWQCB locations.

Please note that you are subject to the annual fee until you file a NOT and the RWQCB approves your NOT.

Should you have any questions regarding this matter, please contact your local RWQCB at the number listed on the back page of the NOT package, or the Storm Water Unit at (916) 341-5537.

Sincerely,

Storm Water Unit
Division of Water Quality

Enclosure

State of California
State Water Resources Control Board

NOTICE OF TERMINATION

OF COVERAGE UNDER THE NPDES GENERAL PERMIT NO. CAS000002
FOR DISCHARGES OF STORM WATER
ASSOCIATED WITH CONSTRUCTION ACTIVITY

Submission of this Notice of Termination constitutes notice that the owner (and his/her agent) of the site identified on this form is no longer authorized to discharge storm water associated with construction activity by NPDES General Permit No. CAS000002.

I. WDID NO.

II. OWNER

COMPANY NAME _____ CONTACT PERSON

STREET ADDRESS _____ TITLE

CITY _____ STATE _____ ZIP _____ PHONE

III. CONSTRUCTION SITE INFORMATION

A. DEVELOPER NAME _____ CONTACT PERSON

STREET ADDRESS _____ TITLE

CITY _____ CA ZIP _____ PHONE

B. SITE ADDRESS _____ COUNTY _____

CITY _____ CA ZIP _____ PHONE

IV. BASIS OF TERMINATION

_____ 1. The construction project is complete and the following conditions have been met.

- All elements of the Storm Water Pollution Prevention Plan have been completed.
- Construction materials and waste have been disposed of properly.
- The site is in compliance with all local storm water management requirements.
- A post-construction storm water operation and management plan is in place.

Date of project completion _____/_____/_____

_____ 2. Construction activities have been suspended, either temporarily _____ or indefinitely _____ and the following conditions have been met.

- All elements of the Storm Water Pollution Prevention Plan have been completed.
- Construction materials and waste have been disposed of properly.
- All denuded areas and other areas of potential erosion are stabilized.
- An operation and maintenance plan for erosion and sediment control is in place.
- The site is in compliance with all local storm water management requirements.

Date of suspension _____/_____/_____ Expected start up date _____/_____/_____

_____ 3. Site can not discharge storm water to waters of the United States (check one).

_____ All storm water is retained on site.

_____ All storm water is discharged to evaporation or percolation ponds offsite.

_____ 4. Discharge of storm water from the site is now subject to another NPDES general permit or an individual NPDES permit.

NPDES Permit No._____ Date coverage began _____/_____/_____

_____ 5. There is a new owner of the identified site. Date of owner transfer _____/_____/_____

Was the new owner notified of the General Permit requirements? YES ____ NO ____

NEW OWNER INFORMATION

COMPANY NAME _____ CONTACT PERSON

STREET ADDRESS _____ TITLE

CITY _____ STATE _____ ZIP _____ PHONE

V. EXPLANATION OF BASIS OF TERMINATION (Attach site photographs - see instructions).

VI. CERTIFICATION:

I certify under penalty of law that all storm water discharges associated with construction activity from the identified site that are authorized by NPDES General Permit No. CAS000002 have been eliminated or that I am no longer the owner of the site. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with construction activity under the general permit, and that discharging pollutants in storm water associated with construction activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release an owner from liability for any violations of the general permit or the Clean Water Act.

PRINTED NAME _____ TITLE

SIGNATURE: _____ DATE ____/____/____

REGIONAL WATER BOARD USE ONLY

This Notice of Termination has been reviewed, and I recommend termination of coverage under the subject NPDES general permit.

Printed Name _____ Region No. _____

Signature _____ Date _____/_____/_____

State of California
State Water Resources Control Board

INSTRUCTIONS FOR COMPLETING NOTICE OF TERMINATION FOR CONSTRUCTION ACTIVITY

Who May File

Dischargers who are presently covered under NPDES General Permit No. CAS000002 for discharge of storm water associated with construction activity may submit a Notice of Termination when they meet one of the following criteria.

1. The construction project has been completed and the following conditions have been met: all elements of the Stormwater Pollution Prevention Plan have been completed; construction materials and equipment maintenance waste have been disposed of properly; the site is in compliance with all local storm water management requirements including erosion/sediment control requirements and the appropriate use permits have been obtained; and a post-construction storm water operation and management plan is in place.

2. Construction activities have been suspended, either temporarily or indefinitely and the following conditions have been: all elements of the Stormwater Pollution Prevention Plan have been completed; construction materials and equipment maintenance waste have been disposed of properly; all denuded areas and other areas of potential erosion are stabilized; an operation and maintenance plan for erosion and sediment control is in place; and the site is in compliance with all local storm water management requirements including erosion/sediment control requirements.
   The date construction activities were suspended, and the expected date construction activities will start up again should be provided.

3. Construction site can not discharge storm water to waters of the United States. Please indicate if all storm water is retained on site or if storm water is collected offsite.

4. Discharge of construction storm water from the site is now subject to another NPDES general permit or an individual NPDES permit. The general permit or individual permit NPDES number and date coverage began should be provided.

5. There is a new owner of the identified site. If ownership or operation of the facility has been transferred then the previous owner must submit a Notice of Termination and the new owner must submit a Notice of Intent for coverage under the general permit. The date of transfer and information on the new owner should be provided. Note that the previous owner may be liable for discharge from the site until the new owner files a Notice of Intent for coverage under the general permit.

Where to File

The Notice of Termination should be submitted to the Executive Officer of the Regional Water Board responsible for the area in which the facility is located. See attached. If the Executive Officer, or his designated staff, agrees with the basis of termination, the Notice of Termination will be transmitted to the State Water Board for processing. If the Executive Officer, or his designated staff, does not agree with the basis of termination, the Notice of Termination will be returned. The Regional Water Board may also inspect your site prior to accepting the basis of termination.

LINE-BY-LINE INSTRUCTIONS

All necessary information must be provided on the form. Type or print in the appropriate areas only. Submit additional information, if necessary, on a separate sheet of paper.

SECTION I--WDID NO.

The WDID No. is a number assigned to each discharger covered under the General Permit. If you do not know your WDID No., please call the State Water Board or Regional Water Board and request it prior to submittal of the Notice of Termination.

SECTION II--OWNER

Enter the owner of the construction site's official or legal name (This should correspond with the name on the Notice of Intent submitted for the site), address of the owner, contact person, and contact person's title and telephone number.

SECTION III--CONSTRUCTION SITE INFORMATION

In Part A, enter the name of the developer (or general contractor), address, contact person, and contact person's title and telephone number. The contact person should be the construction site manager completely familiar with the construction site and charged with compliance and oversight of the general permit. This information should correspond with information on the Notice of Intent submitted for the site.

In Part B, enter the address, county, and telephone number (if any) of the construction site. Construction sites that do not have a street address must attach a legal description of the site.

SECTION IV--BASIS OF TERMINATION

Check the category which best defines the basis of your termination request. See the discussion of the criteria in the Who May File section of these instructions. Provide dates and other information requested. Use the space under Explanation of Basis of Termination heading.

SECTION V--EXPLANATION OF BASIS OF TERMINATION

Please explain the basis or reasons why you believe your construction site is not required to comply with the General Permit. To support your explanation, provide a site map and photograph of your site.

SECTION VI--CERTIFICATION

This section must be completed by the owner of the site.

The Notice of Termination must be signed by:

For a Corporation: a responsible corporate officer

For a Partnership or Sole Proprietorship: a general partner or the proprietor, respectively.

For a Municipality, State, or other Non-Federal Public Agency: either a principal executive officer or ranking elected official.

For a Federal Agency: either the chief or senior executive officer of the agency.

STATE AND REGIONAL BOARD
CONTACT LIST

Contact List is located at
www.swrcb.ca.gov/stormwtr/contact.html
under *Contacts*

ATTACHMENT Q

Applicable BMP's

ATTACHMENT R

Sample Activity Log

RAIN EVENT GENERAL INFORMATION				
Project Name	Campus Center Building			
City/County	University of La Verne, in Los Angeles County			
Contractor	KAR Construction, Inc.			
Sampler's Name				
Signature				
Date of Sampling				
Season (Check Applicable)	❒ Rainy		❒ Non-Rainy	
Storm Data	Storm Start Date & Time:		Storm Duration (hrs):	
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (mm)	

For rainfall information: http://cdec.water.ca.gov/weather.html or http://www.wrh.noaa.gov/wrhq/nwspage.html

SAMPLE LOG		
Sample Identification	**Sample Location**	**Sample Collection Date and Time**

Specific sample locations descriptions may include: 30m upstream from discharge at eastern boundary, runoff from northern waste storage area, downgradient of inlet 57 at kilometer post 36, etc.

FIELD ANALYSIS		
❒ Yes ❒ No		
Sample Identification	**Test**	**Result**

Sample Chain of Custody Form.

Clinical Laboratory

CHAIN OF CUSTODY PAGE ___ OF ___

CLIENT:
Address:

System Number:
Phone No.: Fax No
Project Name:
Sampled By:
Comments:

CLIENT JOB NUMBER

(Company Use Only)
DESTINATION LABORATORY
CLINICAL LABORATORY

OTHER

PRESERVATIVES

ANALYSIS REQUESTED

TURN AROUND TIME

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	NUMBER OF CONTAINERS

PRESERVATIVES (1) HCl (2) HNO_3 (3) COLD (4)

TURN AROUND TIME (10) 10 DAY (5) 5 DAY RUSH (2) 2 DAY RUSH ALL TURN AROUND TIMES ARE EXPRESSED AS WORKING DAYS
SOME ANALYSES MAY TAKE LONGER THAN CHOSEN TIME DUE TO METHOD LIMITATIONS.

RELINQUISHED BY (SIGN)	PRINT NAME COMPANY	DATE TIME	RECEIVED BY (SIGN)	PRINT NAME COMPANY

RECD AT LAB BY DATE TIME CONDITIONS / COMMENTS

SHIPPED VIA FED X UPS GREYHOUND CLIENT OTHER ___

ATTACHMENT S

Pollutant Testing Guidance Table

ATTACHMENT S

Pollutant Testing Guidance Table

Potential Non-Visible Pollutants and Water Quality Indicator Parameters

Category	Construction Site Material	Visually Observable?	Pollutant Indicators [2]	Suggested Analyses Field [3]	Laboratory
Asphalt Products (Sections 37, 39, 92, 93, 94, and Special Provisions)	Hot Asphalt	Yes - Rainbow Surface or Brown Suspension	Visually Observable - No Testing Required		
	Asphalt Emulsion				
	Liquid Asphalt (tack coat)				
	Cold Mix				
	Crumb Rubber	Yes – Black, solid material	Visually Observable - No Testing Required		
	Asphalt Concrete (Any Type)	Yes - Rainbow Surface or Brown Suspension	Visually Observable - No Testing Required		
Cleaning Products	Acids	No	**PH** Acidity Anions (acetic acid, phosphoric acid, sulfuric acid, nitric acid, hydrogen chloride)	pH Meter Acidity Test Kit	EPA 150.1 (pH) SM 2310B (Acidity) EPA 300.0 (Anion)
	Bleaches	No	Residual Chlorine	Chlorine	SM 4500-CL G (Res. Chlorine)
	Detergents	Yes - Foam	Visually Observable - No Testing Required		
	TSP	No	Phosphate	Phosphate	EPA 365.3 (Phosphate)
	Solvents	No	**VOC**	None	EPA 601/602 or EPA 624 (VOC)

Category	Construction Site Material	Visually Observable?	Pollutant Indicators [2]	Suggested Analyses Field [3]	Laboratory
			SVOC	None	EPA 625 (SVOC)
Portland Concrete Cement & Masonry Products (Section 27, 28, 29, 40, 41, 42, 49, 50, 51, 53, 63, 65, 72, 73, 80, 81, 83, 90, and Special Provisions)	Portland Cement (PCC)	Yes - Milky Liquid	Visually Observable - No Testing Required		
	Masonry products	No	**pH**	pH Meter Alkalinity or Acidity Test Kit	EPA 150.1 (pH)
			Alkalinity		SM 2320 (Alkalinity)
	Sealant (Methyl Methacrylate - MMA)	No	Methyl Methacrylate	None	EPA 625 (SVOC)
			Cobalt		EPA 200.8 (Metal)
			Zinc		
	Incinerator Bottom Ash Bottom Ash Steel Slag Foundry Sand Fly Ash Municipal Solid Waste	No	**Aluminum** **Calcium** **Vanadium** **Zinc**	Calcium Test	EPA 200.8 (Metal) EPA 200.7 (Calcium)
	Mortar	Yes - Milky Liquid	Visually Observable - No Testing Required		
	Concrete Rinse Water	Yes - Milky Liquid	Visually Observable - No Testing Required		
	Non-Pigmented Curing Compounds	No	Acidity	pH Meter Alkalinity or Acidity Test Kit	SM 2310B (Acidity)
			Alkalinity		SM 2320 (Alkalinity)
			pH		EPA 150.1 (pH)
			VOC		EPA 601/602 or EPA 624 (VOC)
			SVOC		EPA 625 (SVOC)

Category	Construction Site Material	Visually Observable?	Pollutant Indicators [2]	Suggested Analyses Field [3]	Laboratory
Landscaping and Other Products (Section 20, 24, and Special Provisions)	Aluminum Sulfate	No	Aluminum	TDS Meter Sulfate	EPA 200.8 (Metal)
			TDS		EPA 160.1 (TDS)
			Sulfate		EPA 300.0 (Sulfate)
	Sulfur-Elemental	No	Sulfate	Sulfate	EPA 300.0 (Sulfate)
	Fertilizers-Inorganic [4]	No	Nitrate	Nitrate	EPA 300.0 (Nitrate)
			Phosphate	Phosphate	EPA 365.3 (Phosphate)
			Organic Nitrogen	None	EPA 351.3 (TKN)
			Potassium	None	EPA 200.8 (Metal)
	Fertilizers-Organic	No	TOC	Nitrate	EPA 415.1 (TOC)
			Nitrate		EPA 300.0 (Nitrate)
			Organic Nitrogen		EPA 351.3 (TKN)
			COD		EPA 410.4 (COD)
	Natural Earth (Sand, Gravel, and Topsoil)	Yes - Cloudiness and turbidity	Visually Observable - No Testing Required		
	Herbicide	No	Herbicide	None	Check lab for specific herbicide or pesticide
	Pesticide		**Pesticide**		
	Lime		Alkalinity	pH Meter Alkalinity or Acidity Test Kit	SM 2320 (Alkalinity)
			pH		EPA 150.1 (pH)
Painting Products	Paint	Yes	Visually Observable - No Testing Required		

Category	Construction Site Material	Visually Observable?	Pollutant Indicators [2]	Suggested Analyses Field [3]	Laboratory
(Section 12-3.08, 20-2.32, 50-1.05, 59, 91, and Special Provisions)	Paint Strippers	No	VOC	None	EPA 601/602 or EPA 624 (VOC)
			SVOC	None	EPA 625 (SVOC)
	Resins	No	COD	None	EPA 410.4 (COD)
			SVOC		EPA 625 (SVOC)
	Sealants	No	COD	None	EPA 410.4 (COD)
	Solvents	No	COD	None	EPA 410.4 (COD)
			VOC		EPA 601/602 or EPA 624 (VOC)
			SVOC		EPA 625 (SVOC)
	Lacquers, Varnish, Enamels, and Turpentine	No	COD	None	EPA 410.4 (COD)
			VOC		EPA 601/602 or EPA 624 (VOC)
			SVOC		EPA 625 (SVOC)
	Thinners	No	VOC	None	EPA 601/602 or EPA 624 (VOC)
			COD		EPA 410.4 (COD)
Portable Toilet Waste Products	Portable Toilet Waste	Yes	Visually Observable - No Testing Required		
Contaminated Soil [5]	Aerially Deposited Lead[3]	No	Lead	None	EPA 200.8 (Metal)

Category	Construction Site Material	Visually Observable?	Pollutant Indicators [2]	Suggested Analyses Field [3]	Laboratory
	Petroleum	Yes – Rainbow Surface Sheen and Odor	Visually Observable - No Testing Required		
	Mining or Industrial Waste, etc.	No	Contaminant Specific	Contaminant Specific – Check with laboratory	Contaminant Specific – Check with laboratory
Line Flushing Products	Chlorinated Water	No	Total chlorine	Chlorine	SM 4500-CL G (Res. Chlorine)
Adhesives	Adhesives	No	COD	None	EPA 410.4 (COD)
			Phenols	Phenol	EPA 420.1 (Phenol)
			SVOC	None	EPA 625 (SVOC)
Dust Palliative Products (Section 18)	Salts (Magnesium Chloride, Calcium Chloride, and Natural Brines)	No	Chloride	Chloride	EPA 300.0 (Chloride)
			TDS	TDS Meter	EPA 160.1 (TDS)
			Cations (Sodium, Magnesium, Calcium)	None	EPA 200.7 (Cations)
Vehicle	Antifreeze and Other Vehicle Fluids	Yes - Colored Liquid	Visually Observable - No Testing Required		
	Batteries	No	Sulfuric Acid	None	EPA 300.0 (Sulfate)
			Lead	None	EPA 200.8 (Metal)
			pH	pH Meter Alkalinity or Acidity Test Kit	EPA 150.1 (pH)
	Fuels, Oils, Lubricants	Yes - Rainbow Surface Sheen and Odor	Visually Observable - No Testing Required		
Soil	Polymer/Copolymer [6, 7]	No	Organic Nitrogen	None	EPA 351.3 (TKN)

Category	Construction Site Material	Visually Observable?	Pollutant Indicators [2]	Suggested Analyses Field [3]	Laboratory
Amendment/Stabilization Products			BOD	None	EPA 405.1 (BOD)
			COD	None	EPA 410.4 (COD)
			DOC	None	EPA 415.1 (DOC)
			Nitrate	Nitrate	EPA 300.0 (Nitrate)
			Sulfate	Sulfate	EPA 300.0 (Sulfate)
			Nickel	None	EPA 200.8 (Metal)
	Straw/Mulch	Yes - Solids	Visually Observable - No Testing Required		
	Lignin Sulfonate	No	Alkalinity	Alkalinity	SM 2320 (Alkalinity)
			TDS	TDS Meter	EPA 160.1 (TDS)
	Psyllium	No	COD	None	EPA 410.4 (COD)
			TOC		EPA 415.1 (TOC)
	Guar/Plant Gums	No	COD	None	EPA 410.4 (COD)
			TOC		EPA 415.1 (TOC)
			Nickel		EPA 200.8 (Metal)
	Gypsum	No	pH	pH Meter Alkalinity or Acidity Test Kit	EPA 150.1 (pH)
			Calcium	Calcium	EPA 200.7 (Calcium)
			Sulfate	Sulfate	EPA 300.0 (Sulfate)
			Aluminum	None	EPA 200.8 (Metal)
			Barium		
			Manganese		
			Vanadium		
Treated Wood Products (Section 58, 80-3.01B(2),	Ammoniacal-Copper-Zinc-Arsenate (ACZA)	No	Arsenic	Total Chromium	EPA 200.8 (Metal)
			Total Chromium		

Category	Construction Site Material	Visually Observable?	Pollutant Indicators [2]	Suggested Analyses Field [3]	Laboratory
and Special Provisions)	Copper-Chromium-Arsenic (CCA) Ammoniacal-Copper-Arsenate (ACA) Copper Naphthenate		Copper Zinc		
	Creosote	Yes - Rainbow Surface or Brown Suspension	Visually Observable - No Testing Required		

Notes:

[1] For each construction material, test for one of the potential indicators. Bolded pollutant indicates lowest analysis cost.

[2] See www.hach.com for some of the test kits

[3] No testing if visible (i.e. colored liquid, paper product)

- BOD - Biological Oxygen Demand
- COD - Chemical Oxygen Demand
- EPA – Environmental Protection Agency
- HACH – Worldwide company that provides advanced analytical systems and technical support for water quality testing
- SM – Standard Method
- SVOC - Semi-Volatile Organic Compounds
- tic - tentatively identified compound
- TDS – Total Dissolved Solids
- TNK – Total Kjeldahl Nitrogen
- TOC - Total Organic Carbon
- VOC - Volatile Organic Compounds

ATTACHMENT T

Sample Data Reporting Form

Project Name: Campus Center Building

City/County: University of La Verne, in Los Angeles County

Monitoring Site ID	Event ID	Sample Start Date	Sample Start Time	Sample End Date	Sample End Time	Sample Status	Event Classification	Sample Type	Sample Matrix	Containment Type	CAS Number	Constituent	Fraction	Numerical Qualifier

ATTACHMENT U

Discharge Reporting Log

Project Name: Campus Center Building

City/County: University of La Verne, in Los Angeles County

Date	Material(s) Discharged	Estimated Quantity	Observed By

ATTACHMENT V

Construction Activity Schedule

NOVEMBER 2007 THRU APRIL 2009